2016 ANNUAL OPERATION & MAINTENANCE (O&M) AND MONITORING REPORT AREA OF CONTAMINATION 50

FORMER FORT DEVENS ARMY INSTALLATION, DEVENS, MA

OCTOBER 2017

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2016 ANNUAL

OPERATION & MAINTENANCE (O&M)

AND MONITORING REPORT

AREA OF CONTAMINATION 50

Devens, Massachusetts

October 2017

CERTIFICATION:

I hereby certify that the enclosed Report, shown and marked in this submittal, is that proposed to be incorporated with Contract Number W912WJ-15-C-0002. This document was prepared in accordance with the U.S. Army Corps of Engineers (USACE) Scope of Work and is hereby submitted for Government approval.

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ABC®	Anaerobic BioChem®
ABC® Ole’	Anaerobic BioChem® + Oleic Acid
ABC® Ole’+	Anaerobic BioChem® + Oleic Acid + Zero Valent Iron
amsl	above mean sea level
AOC	area of contamination
ARCADIS	ARCADIS U.S., Inc./G&M, Inc.
Army	U.S. Army
bgs	below ground surface
BCT	Base Realignment and Closure Cleanup Team
BRAC	Base Realignment and Closure
°C	degrees Celsius
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
cis-1,2-DCE	*cis*-1,2-dichloroethene
CVOC	chlorinated volatile organic compound
CY	calendar year
DTW	depth-to-water
DO	dissolved oxygen
DoD	Department of Defense
DQE	data quality evaluation
DRFTA	Devens Reserve Forces Training Area
ERD	enhanced reductive dechlorination
FDSA	Former Drum Storage Area
ft	feet
ft/day	feet per day
HGL	HydroGeoLogic, Inc.
IDW	investigation-derived waste
IRZ	in-situ reactive zone
IWS	in-well stripping
KGS	KOMAN Government Solutions, LLC
LTM	long-term monitoring
LTMMP	Long-Term Monitoring and Maintenance Plan
LUC	land-use control
mg/L	milligrams per liter
MAAF	former Moore Army Airfield
MassDevelopment	Massachusetts Development and Finance Agency
MiHPT	Membrane Interface Probe-Hydraulic Profiling Tool

MS	matrix spike
MSD	matrix spike duplicate
NELAP	National Environmental Laboratory Accreditation Program
O&M	operation and maintenance
ORP	oxidation-reduction potential
PARCCS	precision, accuracy, representativeness, comparability, completeness, and sensitivity
PCE	tetrachloroethene
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
QSM	Quality Systems Manual
RAWP	Remedial Action Work Plan
TCE	trichloroethene
µg/L	micrograms per liter
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
VOC	volatile organic compound
ZVI	zero valent iron

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2016 ANNUAL OPERATION & MAINTENANCE AND MONITORING REPORT
AREA OF CONTAMINATION 50
FORMER FORT DEVENS ARMY INSTALLATION
DEVENS, MASSACHUSETTS

1.0 INTRODUCTION

This 2016 Annual Operation & Maintenance (O&M) and Monitoring Report was prepared by KOMAN Government Solutions, LLC (KGS) for the U.S. Army Corps of Engineers (USACE) under contract number W912WJ-15-C-0002, to detail the operation and performance of on-going remediation activities and groundwater monitoring results at Area of Contamination (AOC) 50 at the former Fort Devens Army Installation (Devens), Devens, Massachusetts (**Figure 1.1**). Remediation activities were performed in accordance with the *Final Long-Term Monitoring and Maintenance Program AOC 50* (LTMMP) [HydroGeoLogic, Inc. (HGL), 2012] and the *Final Work Plan for Supplemental ERD Injections at AOC 50* (H&S Environmental, 2015).

1.1 *Purpose and Objectives*

The purpose of this Annual O&M and Monitoring Report is to document the O&M activities conducted at AOC 50 and to summarize the results of the long-term monitoring (LTM) for groundwater conducted during 2016. Groundwater sampling events were conducted during the spring and fall of 2016 by KGS. The Annual Reports for AOC 50 also include information regarding remedial actions performed at the site. The last treatment of groundwater at AOC 50 was performed in 2015 through the injection of nutrient substrates intended to promote enhanced reductive dechlorination (ERD) of the groundwater contaminants. No ERD injections were performed during 2016 although follow-up sampling (during February 2016) associated with the 2015 injections was conducted to assess the effectiveness of the 2015 injections and are summarized in this report. The effectiveness of the modified injections conducted in 2015 was evaluated through examination of groundwater geochemistry and volatile organic compounds (VOC) trends, in preparation for future ERD substrate injections. The next ERD injection event is planned for summer 2017. In addition, the *Final Long-Term Monitoring Plan, AOC 50* (HGL, 2012) will be updated in 2017 to incorporate a more dynamic injection program approach to include a combination of injections via existing injection wells and direct injections using direct push technology.

1.2 *Site Description and History*

The AOC 50 site is located on the northeastern boundary of the former Moore Army Airfield (MAAF), within the former North Post of the former Fort Devens Army Installation, in the town of Ayer, Massachusetts (**Figure 1.1**). Fort Devens was identified for cessation of operations and closure under Public Law 101-510, the Defense Base Realignment and Closure (BRAC) Act of 1990, and was officially closed in March 1996. Portions of the property formerly occupied by Fort Devens were retained by the U.S. Army (Army) for reserve forces training and was renamed the Devens Reserve Forces Training Area (DRFTA). Areas not retained as part of the DRFTA were transferred to new owners (the Massachusetts Development and Finance Agency

[MassDevelopment] and the U.S. Fish and Wildlife Service [USFWS]) for reuse and redevelopment. In 2009, the DRFTA was renamed the U.S. Army Garrison Fort Devens.

All but approximately 14 acres of the former MAAF (approximately 246 acres total) were transferred to MassDevelopment for reuse in 1997. Currently, the airfield is closed to aircraft traffic and is used by the Massachusetts State Police for training purposes and vehicle storage. The former MAAF is zoned for Special Use II and Innovation and Technology Business. Under the Devens Reuse Plan dated 14 November 1994, Special Use II and Innovation and Technology Business includes a broad range of industrial, light industrial, office, and research and development uses. There are currently no plans for redevelopment of the former MAAF, although the area can be developed if interested parties are identified in the future. The Devens Army Installation retained approximately nine acres of the former airfield for vehicle storage and maintenance and approximately four acres in and around the AOC 50 Source Area for remediation activities.

The primary area of groundwater contamination at AOC 50 is referred to as the Southwest Plume, which extends from the Source Area approximately 3,000 feet (ft) downgradient towards the Nashua River. Sources of groundwater contamination at AOC 50 include two World War II fueling systems, a drywell formerly connected to the parachute shakeout tower, and the tetrachloroethene (PCE) Former Drum Storage Area (FDSA); these sources are collectively referred to as the AOC 50 Source Area. The AOC 50 Source Area is comprised of less than two acres and surrounds Building 3803 (the former parachute shop), Building 3840 (the former parachute shakeout tower), Building 3824 (a gazebo), and Building 3801 (the former 10th Special Forces airplane parachute simulation building). Although these sources have been removed or taken out of commission, groundwater underlying AOC 50 contains elevated concentrations of VOCs, most notably PCE.

The *Final Record of Decision, AOC 50* (USACE, 2004) identified the groundwater contaminants of concern and their interim cleanup levels: arsenic [10 micrograms per liter (µg/L)], benzene (5 µg/L), 1,2-dichloroethane (5 µg/L), 1,1-dichloroethylene (7 µg/L), cis-1,2-dichloroethylene (70 µg/L), 1,2-dichloropropane (5 µg/L), iron (3,129 µg/L), lead (15 µg/L), manganese (1,460 µg/L), methylene chloride (5 µg/L), nitrate (10,000 µg/L), PCE (5 µg/L), trichloroethylene (5 µg/L), and vinyl chloride (2 µg/L). Some of the contaminants were designated contaminants of concern because they were present at concentrations above the applicable MCL or state groundwater quality standard (i.e., 1,2-DCA, iron, methylene chloride, and 1,2-DCP). Benzene was designated as a COC due to past releases. Cis-1,2-DCE and nitrate were identified as COCs due to their contribution to risk. Lead was identified as a COC due to its potential to pose ecological risks. Arsenic was designated as a contaminant of concern because it may be solubilized by the remediation technology, even though it was not predicted to pose significant risks under baseline conditions.

Summary of Past Groundwater Treatment at AOC 50

In September 2004, ARCADIS U.S., Inc./G&M, Inc. (ARCADIS) implemented a full-scale remedial action at AOC 50 that included soil vapor extraction, ERD, and an in-well stripping (IWS) systems. The first ERD injection event was conducted in October 2004 utilizing molasses as the ERD substrate. ARCADIS discontinued the soil vapor extraction system in November 2005 and the IWS in March 2013, as the monitoring program indicated that the recoverable mass of chlorinated volatile organic compounds (CVOCs) was removed.

HydroGeoLogic, Inc. (HGL) revised the ERD injection program in November 2008 by changing the substrate to be injected from molasses to a product called Anaerobic BioChem® (ABC®). Semi-annual injections of ABC® continued in Areas 1 through 5 of AOC 50 through 2014. Based on historical data, a Membrane Interface Probe Hydraulic Profiling Tool (MiHPT) investigation was conducted in 2014 to address the findings from the calendar year (CY) 2013 profiling event in the source area of AOC 50 ("Area 1"). Its purpose was to improve the overall understanding of the location/source of residual CVOC contamination both vertically and laterally in the source area, where elevated concentrations of PCE (over 1,000 µg/L[1]) remained and to use that information to recommend modifications of the existing remedy to more effectively treat the source area.

In 2015, the substrate injection strategy was developed based on review of the historical data and MiHPT results. The Spring 2015 injection event was performed in July and was the 14th ERD injection event using ABC®. In addition, modified substrates Anaerobic BioChem® + Oleic Acid (ABC® Ole') and Anaerobic BioChem® + Oleic Acid + Zero Valent Iron (ABC® Ole'+) were added to the 2015 event. ABC® Ole' includes oleic acids, which are long-chained compounds that are likely to persist for a longer period of time in the aquifer formation, and therefore may improve the effectiveness of the injections. ABC® Ole'+ includes the oleic acids plus zero valent iron (ZVI) which is intended to enhance the rate of degradation in the tighter, more impacted source area soils. In 2015, a combination of ABC® Ole' and ABC® Ole'+ were used in Area 1. ABC® Ole' was injected into the existing Area 1 injection wells and ABC® Ole'+ was directly injected using a Geoprobe® into targeted locations in Area 1. The ABC® Ole' was added to Area 2 and Area 3 to evaluate the effectiveness of the longer-chained substrate to see if they persist longer [i.e., total organic carbon (TOC) concentrations remain elevated in the aquifer for longer]. Areas 4 and 5 were treated with the ABC® alone as in previous rounds to compare to the effectiveness of the Ole in the upgradient areas. The July 2015 strategy was outlined in the *Work Plan for Supplemental ERD Injections* (H&S Environmental, 2015) and was performed by Redox-Tech under KGS oversight. The results of the 2015 ERD injection program were presented in the 2015 Annual Report (KGS, 2016a).

1.3 *Site Hydrogeology*

A single groundwater aquifer is present within the overburden deposits at the former MAAF and AOC 50. Restrictions to vertical groundwater flow, such as silty clay layers, are present, but are not prevalent or continuous in soil borings conducted within the kame glacial deposit or along the Nashua River. Some silty clay layers were encountered within the aquifer in the AOC 50 source area. These thin, silty clay layers appear to reduce the vertical permeability, contribute to a slight increase in the water table elevation, and increase the difference between shallow and deep water levels.

Depth to groundwater measurements have been collected from a network of monitoring wells and sampling points on a regular basis since 1997. Groundwater is encountered at approximately 3 ft below ground surface (bgs) in the AOC 50 source area and at approximately 64 ft bgs at the southwestern end of the former MAAF. Groundwater elevations within deeper wells and to the north of AOC 50 typically have lower pressure heads than wells screened at shallower depths indicating that there is a downward hydraulic gradient within this area.

[1] 1 µg/L = 1 part per billion

The Nashua River is the controlling hydrologic feature of AOC 50 and the former MAAF area. As groundwater beneath AOC 50 moves downgradient in a southwesterly direction toward the Nashua River, vertical gradients become neutral (Figure 3.1). Vertical gradients reverse and become upward along the Nashua River, as would be expected near such a discharge feature. These changes in gradient indicate that groundwater is recharged near the AOC 50 source area, travels below the former MAAF, and discharges to the Nashua River.

Hydraulic conductivities at the site range from 1 to over 50 ft per day (ft/day), with seepage velocities ranging from 0.024 to 1.19 ft/day.

1.4 *Remedial System Operations and Modifications*

The overall O&M approach and remedial system configuration at AOC 50 is adjusted over time to maintain optimum remedial performance. During the 2016 reporting period, the following routine activities and modifications were conducted:

- Collected semi-annual water level measurements (spring and fall)
- Collected water level measurements and conducted groundwater sampling at 26 wells during February 2016
- Conducted semi-annual LTM groundwater monitoring events in June 2016 (spring) and November 2016 (fall)
- Conducted a groundwater sampling evaluation of HydraSleeve™ technology versus low-flow sampling technology.

System modifications/updates performed during the 2016 reporting period included:

- Evaluation of the effectiveness of the modified injections conducted in 2015, which included using ABC®, ABC®-Ole', and ABC®-Ole'+, through examination of groundwater geochemistry and VOC trends, in preparation for future (summer 2017) ERD substrate injections.

2.0 REMEDIAL SYSTEM PERFORMANCE

2.1 *Enhanced Reductive Dechlorination (ERD)*

ERD injections were not conducted in 2016. The previous injection event occurred from July 21 to 30, 2015. Details of the 2015 injection event are presented in the *Enhanced Reductive Dechlorination Injection Summary Report* (H&S Environmental, 2016) which was issued as Appendix A of the *2015 Annual Operation & Maintenance and Monitoring Report Area of Contamination 50* (KGS, 2016a). The report details the injection volumes, injection locations, types of substrate, results, statistical analysis, and recommendations for future events.

2.2 *In-Well Stripping System*

An evaluation of the IWS central processing unit will be conducted in 2017 and a schedule for repair or replacement will be provided after the evaluation is complete.

2.3 *Conclusions and Recommendations*

As described in the *2015 Annual Operation & Maintenance and Monitoring Report Area of Contamination 50* (KGS, 2016a) and **Section 4** of this annual report, the overall qualitative data trends indicate decreasing or stable PCE and trichloroethene (TCE) concentrations in most wells with the exception of G6M-07-02X and G6M-13-05X in Area 1, G6M-04-02X in Area 3 (mid-plume), and the wells G6M-97-05B and G6M-04-07X in Area 5 (downgradient area). It is expected that in these areas CVOC concentrations will continue to decrease with future ERD injections. An evaluation of groundwater flow paths, groundwater concentrations, and substrate injection points indicate that these wells in Areas 1, 3, and 5 should continue to be monitored with respect to the ERD remedy, LTM will continue throughout the plume. ERD injections will continue within these areas using a combination of injections at existing injection wells and direct injections using direct push technology to target areas of residual contamination.

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3.0 LONG-TERM MONITORING EVENT METHODOLOGY

The LTM program at AOC 50 was conducted in accordance with the *Final Long-Term Monitoring Plan, AOC 50,* Devens, Massachusetts (HGL, 2012) to monitor contaminant trends over time in groundwater. The KGS team performed semi-annual LTM groundwater sampling events in spring (May/June) and fall (November) 2016. Select monitoring wells were also sampled during February 2016 to help evaluate the effectiveness of the July 2015 ERD injection program. The AOC 50 site layout, showing the Southwest Plume area, ERD injection well transects, and LTM monitoring wells is depicted on Figure 3.1. The layout of the AOC 50 source area is presented on Figure 3.2.

3.1 *Groundwater Sampling and Analysis*

The groundwater sampling events were performed in accordance with the low-flow procedures documented in *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells* [U.S. Environmental Protection Agency (USEPA) Region 1, 2010], and included the following activities:

- A combination of dedicated and non-dedicated, stainless steel bladder pumps was used for groundwater purging and sampling. The bladder pump intake screens were placed approximately in the center, or slightly below the center, of the submerged well screen interval. The pump intakes were placed a minimum of 2 feet above the bottom of the monitoring wells.
- Previously installed, dedicated, dual bonded, ¼-inch Teflon-lined polyethylene sample tubing was used in each LTM well.
- Each monitoring well was purged at a rate between 100 and 500 milliliters per minute. The purge rate was established to maintain a stable depth-to-water (DTW) and/or total draw down less than 0.3 ft (about 3.6 inches).
- The pump discharge was monitored for field parameters [pH, specific conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), temperature, and turbidity]. The DTW was measured every five minutes during purging. The purging of the monitoring well was determined to be complete when field parameters stabilized.
- Turbidity samples were collected via a "Y" or "T" connector with a shut-off valve located after the pump, but before the flow-through cell.
- Dissolved metals samples were field-filtered using 0.45-micron filters.
- Groundwater samples were also obtained using HydraSleeve™ technology from select monitoring wells during the spring 2016 LTM event, for purposes of comparison to the low-flow sampling technique.
- Investigation-derived waste (IDW) was handled following established procedures in place at AOC 50.

Groundwater samples were collected from the monitoring wells for the analytical parameters discussed in **Section 4** of this report. Details on analytical sample container and preservation requirements are presented in **Table 3.1**. Completed groundwater sampling forms for the 2016 events are presented in **Appendix A**.

3.2 *Decontamination Procedures*

Bladder pumps were decontaminated between wells by using the following five-step process: 1) rinse with potable water, 2) wash with a non-phosphate detergent solution, 3) rinse with potable water, 4) rinse again with isopropyl alcohol, and 5) rinse with distilled water. The bladder pumps were disassembled prior to decontamination. The single use bladder was also removed from the bladder pump and replaced during the decontamination process. The same five-step process was used to decontaminate other non-dedicated sampling equipment.

3.3 *Investigative-Derived Waste Handling*

Investigative-derived waste (i.e., low-flow purge water and decontamination water) was containerized at each wellhead during groundwater sampling events. During sampling events, purge water from monitoring wells was discharged back to the ground at the site of generation after sampling was completed, as per the 2003 *Waste Management Plan* and the May 1995 *Project Operations Plan*.

3.4 *Long-term Monitoring Events*

A summary of the methodology used during the 2016 sampling events is outlined below.

3.4.1 Monitoring Well Inspection

Prior to sampling, the following procedures were used to inspect the LTM wells at AOC 50:

- The monitoring well location was identified and the well identification number was confirmed;
- The wellhead was inspected for signs of damage and any damage noted, as warranted; and,
- The monitoring well gripper seal was removed and the wellhead was allowed to vent prior to well inspection.

No tampering of the wells was apparent during the 2016 sampling events. Several wells had missing protective casing locks that are planned to be replaced during the Spring 2017 LTM event.

3.4.2 Water Level Measurements

The depth to water in the AOC 50 monitoring wells was measured and recorded within a 24-hour period as part of the spring and fall LTM events and the February ERD groundwater sampling event. The groundwater elevation at each monitoring well was determined by subtracting the DTW from the surveyed elevation of a reference point at the top of the well riser. A summary of the water level measurements and the corresponding water elevation data is presented in **Table 3.2** for the February event, **Table 3.3** for spring event, and **Table 3.4** for fall event. Groundwater elevation contours are presented on **Figure 3.3** (February 2016), **Figure 3.4** (May 2016), and **Figure 3.5** (November 2016).

The groundwater flow direction was observed to be toward the southwest during the spring and fall sampling events and southwest-westerly during February 2016. Groundwater was encountered at approximately 14 to 15 ft bgs in Area 1 (at wells G6M-04-10X/A) and approximately 56 to 57 ft bgs at the southwestern end of the former MAAF (at well G6M-03-08X).

The groundwater hydraulic gradient between Area 1 well G6M-04-10A (G6M-04-10X in February) and downgradient well G6M-03-08X (southeast edge of plume) was calculated to be approximately 0.0029 ft/ft in February 2016, 0.0032 ft/ft in May 2016 and 0.0028 ft/ft in November 2016. Similarly, the groundwater hydraulic gradient between Area 1 well G6M-04-10A (G6M-04-10X in February) and downgradient well G6M-02-07X (southwest edge of plume) was calculated to be approximately 0.0031 ft/ft in May 2016 and 0.0026 ft/ft in November 2016.

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4.0 GROUNDWATER MONITORING RESULTS

Sampling was conducted for the continued monitoring of chemical and geochemical parameters in AOC 50 groundwater in accordance with the LTMMP (HGL, 2012). Laboratory analytical results for the groundwater samples collected during three events [February 2016 to assess performance of 2015 injections, and LTM events in the spring (June) and fall (November) 2016] are discussed in the following subsections. Analytical results judged to be artifacts or laboratory contaminants originating in the sampling and analytical processes are not considered representative of site conditions. The effects of contamination in the laboratory and field blanks, as well as the effects of other quality control (QC) issues associated with the analytical results, are reported in the data validation reports for the 2016 sampling events (**Appendix C**).

4.1 *Groundwater Chemistry for Monitoring Events*

The spring (June) 2016 LTM event included the sampling of 26 wells. The fall (November) 2016 LTM event included the sampling of 50 locations (46 monitoring wells and 4 MicroWells®). The February 2016 sampling event, conducted as a follow-up to the 2015 ERD injection event, included the sampling of 26 wells.

The frequency, sampling locations, and analytical parameters for the three sampling events conducted in 2016 are summarized in **Table 4.1**. Historical laboratory analytical results and groundwater field parameters, including the 2016 sampling results, are presented in **Table 4.2.**

4.1.1 Field Parameters

Field parameter measurements collected during the three 2016 sampling events are summarized below.

Observed pH levels ranged from 2.68 in Area 1 (November 2016) to 8.64 in Area 5 (February 2016) in 2016. The more acidic levels were present within and downgradient of in-situ reactive zones (IRZ) (formed as a result of ERD treatment), especially in the FDSA/Area 1 and Former Dry Well Area/Area 1. Such pH differentiation is likely the result of higher carbonic and supplementary acid (e.g., fatty acids, propionic acid) formation from organic carbon fermentation, caused by the ERD processes. In general, pH extremes at AOC 50 have been sporadic and primarily occurred from 2004 through 2006 when the IWS was initiated and molasses was the ERD substrate. Two monitoring wells that offer a moderate consistency for pH extremes are G6M-02-08X (Former Dry Well/Area 1) and G6M-04-03X (Area 2). Monitoring well G6M-02-08X (well screen located from 60 to 70 ft bgs) has exhibited more acidic pH readings between 3.97 and 7.08 since July 2005. This location has a documented molasses content that stems from historic substrate injections. However, this well has demonstrated strong reductive dechlorination progress that has not been inhibited by the low groundwater pH. A geologic feature may also exist at monitoring well G6M-02-08X, which is controlling flow or trapping organic carbon from injections and subsequent breakdown. Monitoring well G6M-04-03X, which is sampled annually, has yielded more alkaline pH values (pH>10 in 2008, 2011, 2012, and 2014), although measurements were lower (pH=8.56 to 6.47) in 2015 and 2016. Continued decrease in PCE concentrations at G6M-04-03X, suggests that the ERD strategy is effective in Area 2.

In general, low DO levels and negative ORP values were recorded downgradient and within the IRZs. Low DO [less than 1 milligram per liter (mg/L)] and negative ORP values are indicators of the anaerobic breakdown of CVOCs. In the Former Drum Storage Area/Area 1, at wells

downgradient of injection wells, anaerobic conditions are persisting at G6M-04-10A but not at G6M-07-02X or G6M-04-13X (**Figure 4.1**). In Area 2, anaerobic conditions persist at G6M-04-03X and G6M-02-01X in 2015 and 2016 in the IRZ (except for anomalous ORP levels in February 2016). In Area 3, downgradient of the injection wells, anaerobic conditions mostly persisted at G6M-03-07X and G6M-04-04X with slight increases in DO and ORP in early 2016 followed by decreases in November 2016. In Areas 4 and 5, immediately downgradient of injection wells at G6M-02-13X and MW-3, DO and ORP decreased immediately after the injections and increased slightly in 2016. Within the plume west of Areas 4 and 5 there are some areas of low DO (i.e., G6M-13-02X, G6M-97-05B, G6M-13-04X, G6M-04-06X, XSA-97-95X, and XSA-12-96X) but anaerobic conditions with DO less than 0.5 mg/L and a negative ORP are not consistently present (**Figure 4.1**). Groundwater in the area of these wells does not appear to be strongly affected by the injections in Area 4 and 5 injection wells.

Specific conductivity data above 2.0 milliSiemens per centimeter were generally recorded for wells southwest of Route 2A and in the gravel parking lot for Area 1, which may be the result of the introduction of de-icing salt applied to roadways during snow removal activities.

4.1.2 Volatile Organic Compounds

The February and spring sampling events included 26 groundwater monitoring wells and the fall sampling event included 50 monitoring wells. **Figures 4.2** through **4.5** present PCE concentration contours over time and demonstrate continued cleanup of PCE in AOC 50 groundwater.

Figure 4.2 shows a continuous PCE plume across AOC 50 in 2004, extending from the AOC 50 source area to downgradient Area 5, with the highest detected PCE concentrations, up to 17,000 µg/L at location G6M-94-18X, in the AOC 50 source area. These data were collected prior to full-scale remedy implementation.

Figure 4.3 shows PCE concentrations in 2010, after six years of the remedial action. The PCE plume decreased significantly over all areas at AOC 50, and was no longer continuous over the area. Residual pockets of PCE levels remained around the ERD injection transects. The highest concentrations continued to be present at the AOC 50 source area, with PCE detected at 1,000 µg/L at location G6M-04-09X.

Figure 4.4 shows PCE concentrations from the fall 2015 LTM sampling event. These samples were collected following an ERD injection in July 2015. The PCE concentrations continue to be highest in the AOC 50 source area with a maximum of 1,120 µg/L at location G6M-13-05X. Monitoring well G6M-13-05X is in the AOC 50 source area near the Former Dry Well. The trend graph of the PCE and TCE concentrations in well G6M-13-05X (**Figure 4.9**) shows and overall decrease in CVOC concentrations likely due to the ERD treatment. PCE levels in Areas 2 and 3 continued to decrease. The PCE plume in Area 5 is the highest along the westernmost edges on the perimeter of the Areas 4 and 5 transects, with the highest PCE concentration in well G6M-97-05B (117 µg/L). PCE was detected in the MicroWell® (XSA-12-95X through 98X) ranging from 6.3 µg/L in XSA-12-98X to 30 µg/L in XSA-12-96X. These MicroWell® are located downgradient of the ERD injection transects. The change in plume contours from 2010 to 2015 is influenced by changes in the monitoring program within that time interval. Specific changes to the monitoring program in the that affect the plume contour depiction along the westernmost edge of Area 4 and 5 include: the addition of G6M-97-05B to the monitoring program in 2011, installation and

addition of XSA-12-95X, -96X, -97X, and -98X to the monitoring program in 2012; and installation and addition of G6M-13-01X and -02X to the monitoring program in 2014.

Figure 4.5 shows PCE concentrations from the fall 2016 LTM sampling event. The plume contours are based on current and historic data (including 2013 profile sampling results from the AOC 50 2013 Annual Report presented in Appendix E), groundwater flow patterns, and groundwater fate and transport characteristics.

The PCE concentrations are also shown in cross-section (**Figures 4.6, 4.7, and 4.8**). PCE concentrations in Area 1 have decreased in many of the wells; however, PCE concentrations continue to be highest in Area 1 with a high of 3,200 µg/L at location G6M-07-02X (November 2016) and at G6M-13-05X (1,200 µg/L, June 2016) (**Figure 4.9**). The PCE concentrations at G6M-07-02X will continue to be monitored and the need for additional investigation at the FDSA will be assessed in the 2017 Annual Report.

PCE concentrations in Area 2, both upgradient and downgradient of the injection wells, have decreased to non-detect (**Figure 4.10**). In Area 3, PCE concentrations in monitoring wells downgradient of the injection wells have decreased to non-detect (**Figure 4.11**). However, the highest concentration remains in well G6M-04-02X, which is located directly upgradient of the Area 3 injection well transect; PCE concentrations increased slightly from 105 µg/L in October 2015 to 333 µg/L in February 2016 and decreased slightly to 120 µg/L in June 2016 and 160 µg/L in November 2016 (**Figure 4.11**). In the eastern portion of Area 4 and Area 5 the PCE concentrations have decreased to non-detect around the injection wells and downgradient of the Area 5 injection wells, specifically at G6M-02-13X (June and November 2016), MW-7 (November 2016), MW-3 (February, June, and November 2016), G6M-02-11X (February, June, and November 2016), and G6M-02-12X (November 2016) (**Figure 4.12**). The western portion of the plume in Area 4 and Area 5 has not changed significantly from 2015 and PCE concentrations continue to persist at low levels. PCE levels from 2015 to 2016 have slightly increased in well G6M-97-05B from 117 µg/L in 2015 to 140 µg/L in November 2016 (**Figure 4.12**). PCE levels in G6M-04-07X have increased over the past five years to 78 µg/L in November 2016. Co-located well G6M-04-06X [168.07 to 158.07 ft above mean sea level (amsl)] is set at an elevation 16 feet shallower than G6M-04-07X (142.68 to 132.68 ft amsl) and has had PCE levels remaining below 5 µg/L over the past five years. PCE was detected in the downgradient MicroWell® at levels comparable to the 2015 results, ranging from 5.6 µg/L in XSA-12-98X (November 2016) to 29 µg/L in XSA-12-96X (November 2016).

4.1.3 Inorganic Metals

Groundwater samples were collected from 26 wells during the February and spring 2016 sampling events and from 49 wells during the fall 2016 sampling event. The samples were submitted for dissolved metals (arsenic, iron, and manganese) analysis. **Table 4.2** presents the historical metals data, including the 2016 sampling results.

Some metals solubilization likely associated with the ERD process, particularly arsenic and manganese which are mobilized under reducing groundwater conditions, appears to be occurring within the IRZs across AOC 50. The resulting extent of metals desorption from aquifer soils is directly correlated with the geochemically reducing conditions within the IRZ for each injection area. Specifically, the more reductive the environment and, thus, conducive to chlorinated hydrocarbon degradation, the more likely metals dissolution will occur within a reducing zone.

This relationship is observed throughout the AOC 50 treatment area and was an expected by-product of the selected remedial action. Solubilization of naturally-occurring metals is isolated to the area constituting the IRZs due to the production of arsenic (III) (arsenite) versus arsenic (V) (arsenate).

The dissolved metals concentrations will likely continue to fluctuate within an IRZ and are not anticipated to significantly diminish until the IRZ reverts to an oxidizing state. By comparison, oxygenated environments with a positive ORP promote the oxygenation of arsenite to arsenate, which is readily and firmly bound within the surrounding mineral and natural organic matrices. The presence of dissolved iron within the aquifer further promotes rapid oxidation of the arsenite to arsenate once the groundwater reaches the oxidizing portions of the aquifer.

Areas with dissolved arsenic concentrations above the regulatory criterion of are primarily in areas where ERD injections have occurred and downgradient of ERD injection areas, specifically in Areas 1, 2, 3, and in the eastern portion of Areas 4 and 5. During the 2016 monitoring events, the maximum concentration of dissolved arsenic detected was 720 µg/L at G6M-02-12X (Area 5) in November 2016, with an ORP of -131 millivolts and a DO of 1.24 mg/L.

In wells where conditions are primarily oxidizing, the dissolved arsenic concentrations are generally below the regulatory criterion of 10 µg/L. These areas include areas upgradient or cross-gradient of area where injections were conducted (Area 1 - G6M-95-19X, G6M-96-22A, B, G6M-13-05X; Area 3 – G6M-13-03X; Areas 4 and 5 - G6M-13-02X, G6M-13-01X, G6M-97-05B), monitoring wells shallower than where injections were conducted (Area 1 - G6M-93-13X), and other areas where oxidizing conditions are present [G6M-02-03X (Area 3), G6M-04-10X (FDSA), G6M-04-13X (FDSA), and G6M-07-02X (FDSA)].

This includes shallow wells downgradient of the Area 5 injection wells, specifically G6M-04-05X, G6M-04-06X (November 2016), and G6M-02-06X (November 2016). Groundwater monitoring performed at the Area 5 downgradient MicroWell® locations, XSA-12-97X (November 2016), XSA-12-96X (November 2016), XSA-12-98X (November 2016), and XSA-12-95X (November 2016) (all non-detect for arsenic) along with G6M-04-06X (November 2016) and G6M-02-06X (November 2016), indicates dissolved arsenic concentrations in shallow groundwater close to the Nashua River is below the regulatory limit of 10 µg/L.

Dissolved arsenic concentrations above the regulatory limit are present in most areas that were impacted by ERD injections and where reducing conditions persist, which includes portions of Areas 1, 2, 3, 4, and 5. The dissolved arsenic concentrations are variable but as injections are ceased in areas where plume contaminant concentrations have decreased below cleanup levels (e.g., Area 2 and the eastern portions of Areas 4 and 5), dissolved arsenic concentrations are expected to decrease as these areas begin to return to aerobic conditions. Slight decreases in dissolved arsenic concentrations were observed downgradient of the Area 5 injection wells at G6M-02-11X and G6M-02-12X,), indicating geochemistry in the deeper portion of the aquifer is beginning to return to aerobic conditions.

4.1.4 Other Analytes

Samples were submitted for analysis of dissolved gases (methane, ethene, ethane), TOC, alkalinity, nitrate, sulfide, and sulfate from 26 wells during the February event, from 14 wells during the spring 2016 event, and from 21 wells during the fall 2016 event. **Table 4.2** presents the historical data, including the 2016 sampling results.

- The highest methane concentration was 31,000 µg/L in groundwater sampled from monitoring well G6M-04-04X (June 2016) (Area 3).
- The highest ethane concentration was 14.1 µg/L in groundwater sampled from G6M-03-09X (February 2016) (Area 5).
- The highest ethene concentration was 95.5 µg/L in groundwater sampled from G6M-03-01X (February 2016) (Area 1).
- The highest TOC concentration was 3,110 mg/L in groundwater sampled from G6M-02-08X (February 2016) (Area 1).

Area 1 FDSA has low concentrations of methane (100 µg/L) and TOC (0.93J mg/L) in the monitoring well with the highest PCE concentrations (3,200 µg/L, G6M-07-02X, November 2016) indicating very little if any anaerobic degradation is occurring and there is little carbon in the water at that location.

In Area 1, methane and TOC were not detected at G6M-13-05X, which has the highest PCE concentrations (830 µg/L, November 2016) in the western part of the AOC 50 source area indicating very little if any anaerobic degradation is occurring and there is little carbon in the water at that location. There are portions of Area 1 where methane concentrations indicate anaerobic biodegradation is occurring and TOC results indicate that carbon is available for the bacteria, these are areas that previously had detected concentrations of PCE that have since decreased, such as at G6M-04-10A, G6M-03-02X, G6M-02-08X, and G6M-12-06X.

Most of the monitoring wells in Area 2 have elevated concentrations of methane (12,500 to 22,000 µg/L) indicating there may be some biodegradation occurring in the area. The Area 2 monitoring wells also have TOC concentrations ranging from 3.1 mg/L (November 2016) to 11.8 mg/L (February 2016) indicating carbon is available for the biodegradation process, although the concentrations are below the ideal TOC range of 20 to 50 mg/L.

Most of the monitoring wells in Area 3 have elevated concentrations of methane (12,800 to 31,000 µg/L) indicating there is likely biodegradation occurring in the area. Most of the Area 3 monitoring wells also have TOC present ranging mostly from 7.3 to 26 mg/L indicating carbon is available for the biodegradation process. The monitoring well with the highest PCE concentration in Area 3 (G6M-04-02X, PCE 160 µg/L, November 2016) has minimal methane present (4,100J µg/) and low TOC concentrations (2.1 mg/L) indicating there is less biodegradation occurring and a lower amount of carbon available for the biodegradation process. Indicating the IRZ created by injections at Area 2 injection wells has not perpetuated at G6M-04-02X.

Methane and TOC concentrations in Area 4 were low indicating there is very little anaerobic biodegradation occurring and not much carbon available for the biodegradation process. Most of the locations in Area 4 had PCE concentrations that decreased to below the cleanup level, except at G6M-13-02X where residual PCE concentrations remain.

In Area 5 there is a wide range of methane and TOC concentrations present in different areas of the plume. The higher methane and TOC concentrations are in area downgradient of the Area 5 injection transect. Currently the portions of the plume in Area 4/5 with the highest PCE concentrations have low methane and TOC concentrations, specifically G6M-13-02X [February 2016 (PCE = 85.8 µg/L, TCE 24.6 µg/L, methane = 3,560 µg/L, TOC = 0.81J mg/L)], G6M-97-05B [February 2016 (PCE = 97 µg/L, TCE = 11 µg/L, methane and TOC are ND)], G6M-04-07X

[November 2016 (PCE = 78 µg/L, TCE = 18 µg/L, methane = 1,000 µg/L, TOC = 1.2 mg/L)], and G6M-13-01X [February 2016 (PCE = 10.3 µg/L, TCE 0.36J µg/L, methane = 126 µg/L, and TOC was ND).

4.1.5 Data Evaluation Summary

PCE concentrations in groundwater are decreasing due to the ERD treatment. As shown in **Figure 4.3** (2015) and **Figure 4.4** (2016), residual pockets of PCE in groundwater remain in Area 1, in Area 3, along the western edge of Areas 4 and 5, and at the downgradient well G6M-04-07X. The PCE concentrations in the Area 5 downgradient MicroWell® locations, XSA-12-97X, XSA-12-96X, XSA-12-98X, and XSA-12-95X, remain above the 5 µg/L action level for PCE.

In wells where conditions are primarily oxidizing, the dissolved arsenic concentrations are generally below the regulatory criterion of 10 µg/L. This includes shallow wells downgradient of the Area 5 IRZ. Deeper groundwater downgradient of the Area 5 IRZ does have arsenic concentrations above the regulatory limit, but concentrations are beginning to decrease in some of the monitoring wells, indicating geochemistry in the deeper portion of the aquifer is beginning to return to aerobic conditions.

TOC concentrations were measured in the ERD injection areas to monitor the substrate distribution. TOC is an indicator of natural organic carbon present at site during baseline characterization and is an indicator of substrate distribution during performance monitoring. An ideal range of TOC to support ERD is 20 to 50 mg/L. It was anticipated that TOC concentrations should have increased after the ABC® Ole and ABC® Ole'+ injections. Concentrations of TOC that are stable or declining in conjunction with elevated or increasing VOC concentrations indicate that additional substrate injection may be necessary. In most of the 2015 injection areas TOC was present in 2016 even though injections were not conducted in 2016. Areas with higher concentrations of PCE have lower TOC concentrations and additional substrate injections are likely necessary in those areas. These areas include the FDSA, the AOC 50 source area near the Former Dry Well, Area 3 near G6M-04-02X, and the western portion of Areas 4 and 5.

The presence of methane in groundwater in the injection areas indicates fermentation is occurring in a highly anaerobic environment and favorable reducing conditions are present even though injections were not conducted in 2016. Methane concentrations greater than 500 µg/L are indicative of favorable reducing conditions (ESTCP, 2004). These areas include portions of the western portion of the source area, Area 2, Area 3, downgradient of the Area 5 injection wells. Areas outside of the injection areas have lower concentrations of methane indicating less fermentation is occurring in those areas.

4.2 *Quality Assurance/Quality Control*

TestAmerica Laboratories, Inc. (TestAmerica) of Savannah, Georgia was the primary contract laboratory used for the analysis of groundwater samples for the spring and fall 2016 LTM events. TestAmerica is compliant with the *Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, version 5.0* (DoD, 2013) under the DoD National Environmental Laboratory Accreditation Program (ELAP) and holds current National Environmental Laboratory Accreditation Program (NELAP) accreditation for all applicable analytical methods. Samples collected in February 2016 were submitted to SGS Accutest-New England in Marlborough, MA for analysis. SGS Accutest also holds a NELAP certification and is compliant with the DoD QSM.

As part of the 2016 groundwater sampling events, quality assurance/quality control (QA/QC) samples were collected to ensure that the data quality objectives were met for the laboratory analysis. Field duplicate samples were collected during sampling events at each AOC, at the rate of 10% (1 per 10 samples), to evaluate field precision. Matrix spike (MS)/matrix spike duplicate (MSD) pairs were also submitted at a rate of 5% (1 per 20 samples) to evaluate matrix effects on analytical precision and accuracy.

The analytical results from the 2016 sampling events were evaluated for data acceptability in accordance with the USEPA Region 1 data validation guidelines (USEPA Region 1, 2013) and the *Quality Assurance Project Plan (QAPP) for the Annual Long-Term Monitoring (LTM) Program* KGS, 2016b). The method requirements from the *DoD QSM* version 5.0 (DoD, 2013) and the USEPA SW-846 QC guidance were also used as supplemental information. The data validation reports for the 2016 AOC 50 sampling events are presented in **Appendix C**. Specific QC deviations requiring qualification in the 2016 data sets included:

- Field duplicate precision above the acceptable range;
- Low level method blank cross-contamination; and,
- MS and MSD recovery and precision results outside the acceptance criteria.

The MS/MSD recovery and precision non-compliances are due to high levels of target compounds (methane, arsenic) in select samples which were greater than four times the spike levels. The percent recoveries could not be calculated for these compounds. Associated blank spike recoveries were within acceptance limits; sample results were acceptable. Appropriate qualifiers have been added to the analytical data in **Table 4.2**.

4.3 *Laboratory and Field Corrective Actions*

Laboratory

Analyses were performed in general compliance with the precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) requirements listed in the LTMMP Quality Assurance Project Plan (QAPP) (KGS, 2016b). Good analytical practices and method requirements were followed and the laboratory was determined to be performing properly. No significant QC deficiencies were noted. Although some results required qualification based on the issues listed above; useable analyte results are reported for 99.9% of samples from the 2016 sampling events.

Field

There were no major field corrective actions required in CY 2016. Discrepancy issues were identified real time by review of chains of custody and laboratory logins as they were received by the project chemist. If discrepancies were noted, the project chemist notified the laboratory project manager via email and/or verbal communication and the issue was resolved immediately

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5.0 HYDRASLEEVE SAMPLING

During the spring 2016 sampling event, HydraSleeve™ technology was utilized alongside low stress/low flow sampling methods. This technology was included in the 2015 LTMMP with a recommendation to substitute low flow sampling techniques with HydraSleeve™ technology. The HydraSleeve™ technique was to be validated through confirmatory sampling involving the collection of analytical samples by both means and comparing the results using relative percent difference (RPD) calculations. Previous studies have indicated that HydraSleeve™ sampling is a suitable substitute for low-flow sampling (Parsons, 2005; Fernandes and Roberts, 2001; MWH, 2009; MWH, 2010; NDCEE, 2012).

Spring sampling included the use of HydraSleeve™ technology at four locations at AOC 50. HydraSleeve™ samplers were installed per manufacturer's specifications/instructions at the selected locations after water level measurements were collected. Each well was allowed to equilibrate prior to the HydraSleeve™ being removed. Since two samples (HydraSleeve™ and low flow) were collected; RPDs were used to compare the results. The RPD between "duplicate" results should be less than 30%. **Table 5.1** presents the comparison of HydraSleeve™ and low flow sample results for the AOC 50 spring 2016 VOC and metals analyses.

Overall, there was poor correlation between both VOC results in all four samples. The field duplicate precision criteria of 30% RPD is used for comparison of these results. Seven of the 11 reported VOC result comparisons were greater than 30% RPD ranging from 42.3 % to 171%. Two of the 11 results could not be calculated between non-detect and low level estimated values. Two of the 11 VOC results were less than 30% RPD; the results for total-1,2-dichloroethene and tetrachloroethene from sample G6M-13-05X were comparable with %RPDs of 8.3 and 8.7, respectively.

The results between dissolved metals results also showed poor correlation in all four samples with %RPDs greater than 30% for most of the comparisons. The best correlation was for dissolved manganese with %RPDs less than 30% in three of the four samples. The %RPDs for one of the four samples was greater than 30%. The %RPDs for dissolved arsenic in three of the four samples were greater than 30%. The %RPD could not be calculated for one of the four samples. The %RPDs for dissolved iron in three of the four samples were greater than 30%. The %RPD could not be calculated for the other sample which had a non-detect result.

Overall, due to the large discrepancies between results and the limited volume of sample obtained from the HydraSleeve™ sampler; it appears that the use of HydraSleeve™ technology is not a viable alternative to established low-flow sampling procedures.

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6.0 LAND-USE CONTROL MONITORING

Land Use Controls (LUCs) were a key component of the *Final Record of Decision, AOC 50 (USACE, 2004)* and *Final Remedial Action Work Plan, AOC50* (ARCADIS, 2005) (RAWP) and were developed to restrict or prevent potential human exposure to groundwater contaminants of AOC 50. The RAWP outlined the plan for implementation of the LUCs at AOC 50. LUCs are implemented in the North Plume, the Source Area, and the Southwest Plume. LUCs in the form of Institutional Controls are necessary to restrict land and groundwater use at the site to mitigate unacceptable risks to human health until the site is suitable for unlimited exposure and unrestricted use.

The RAWP established the LUC objectives for each area. The basic objectives for all areas include:

- Restricting potential residential and/or commercial/industrial receptors from ingesting contaminated groundwater;
- Restricting groundwater pumping and/or stormwater discharge/recharge to avoid drawing the contaminated groundwater from the Source Area;
- Limiting construction in specified areas over the contaminated groundwater that would interfere with the operation of the remedy and providing access to the site for the monitoring/remediation.

Additional objectives in the Source Area include:

- Protecting commercial/industrial workers from inhaling vapors released from groundwater used as "open" process water;
- Preventing potential construction/occupation of residential dwellings, schools/child care facilities and inhalation of vapors released from groundwater to indoor air.

The objectives of the LUCs for AOC 50 are imposed through legal mechanisms, which have been set up to establish environmental use restrictions and controls to limit activities that would interfere with the operation of the remedy. The legal mechanisms are enforced through incorporation of lease provisions into deeds and permits and through negotiations and agreements with local towns and developers.

Annual physical inspections, including interviews with stakeholders, are conducted to confirm continued compliance with LUC objectives. Annual LUC compliance reports are prepared and include a summary of the interviews and inspections and identify any deficiencies to the site controls. The annual evaluation addresses whether the use restrictions and controls were communicated in the deed(s), whether the owners and state and local agencies were notified of the use restrictions and controls affecting the property, and whether use of the property has conformed to such restrictions and controls. The AOC 50 annual LUC inspection and interview is included in **Appendix D**.

The September 2007 Addendum to the Real Property Master Plan included supplemental information on LUCs established under BRAC and Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) programs that are applicable to Area G (Regional Training Site Maintenance), as well as, for three other deeded areas located at the DRFTA.

Any proposed actions that affect the AOC 50 property must consider following the ROD requirements, which include:

- Provide continued access to treatment transects and monitoring wells and access to install additional injection or monitoring wells, if necessary;
- Coordinate construction plans with the Base Realignment and Closure Cleanup Team (BCT) to facilitate ongoing remediation and future access to plume areas;
- No groundwater extraction or injection for any purpose; and,
- Coordinate construction plans for modifications to storm water systems with the BCT.

Furthermore, the deed notices provided at the time of property transfer to USFWS, Henry Woodle of Groton Ayer Realty Trust, and Ron Ostrowski of MassDevelopment, inform each owner of their property use restrictions.

Monitoring activities performed for the 2016 reporting period included a review of the documentation and records, on-site inspections, and annual LUC interviews with AOC 50 property owners.

6.1 *On-site Inspections*

LUCs were verified during an annual physical inspection of the site. The physical inspection included the following observations:

- Any signs of increased exposure potential to the public from groundwater contaminants;
- Any evidence that groundwater extraction wells had been installed at the site;
- Any evidence of site use changes; and,
- Any site access issues related to monitoring and remediation activities.

No evidence of increased exposure potential or the installation of groundwater extraction wells was observed. There is no evidence of any new activity in the area. There were no issues encountered related to site access for monitoring and remediation activities during the 2016 site inspection.

6.2 *Land-Use Control Interview*

Telephone interviews were conducted with each property owner, manager, or other designee familiar with "day-to-day" activities of the property. During the interviews, the KGS team personnel inquired about the following:

- The owner's familiarity regarding LUCs imposed upon the property and documentation of these controls;
- Sources of water used at the property; and,
- Proposed plans for property sale, future development, construction or demolition activities at AOC 50.

Mr. Simeone, BRAC Environmental Coordinator, stated that no change has occurred during CY 2016 and that the remedy is being implemented at the site.

Mr. Ostrowski of MassDevelopment, reiterated the same information stating that no change had occurred during CY 2016.

Ms. Herland of USFWS stated that she is not aware of changes to the property throughout CY 2016.

Mr. Woodle of Groton Ayer Realty Trust stated that there have been no changes to his property throughout CY 2016.

6.3 *Land-Use Control Monitoring Summary*

Results of the annual compliance monitoring indicate that no breaches to the LUCs were evident and corrective action(s) were not necessary since there were no changes in site conditions or land use. There are no proposed changes to inspection and reporting frequency at this time.

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7.0 CONCLUSIONS

The target VOC concentrations in groundwater at AOC 50 on a site wide basis continue to decrease indicating that the remedial actions have been effectively treating contaminants of concern to achieve cleanup goals. The highest PCE concentrations, while greatly reduced from their original levels, remain in the Source Area wells. Some residual pockets of PCE above cleanup goals are also still present upgradient of the Area 3 injection well transect and along the western edge of Areas 4 and 5 of the AOC 50 groundwater plume. Areas of residual contamination will be targeted in 2017 and future injections through a combination of existing injection wells and direct injections.

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8.0 REFERENCES

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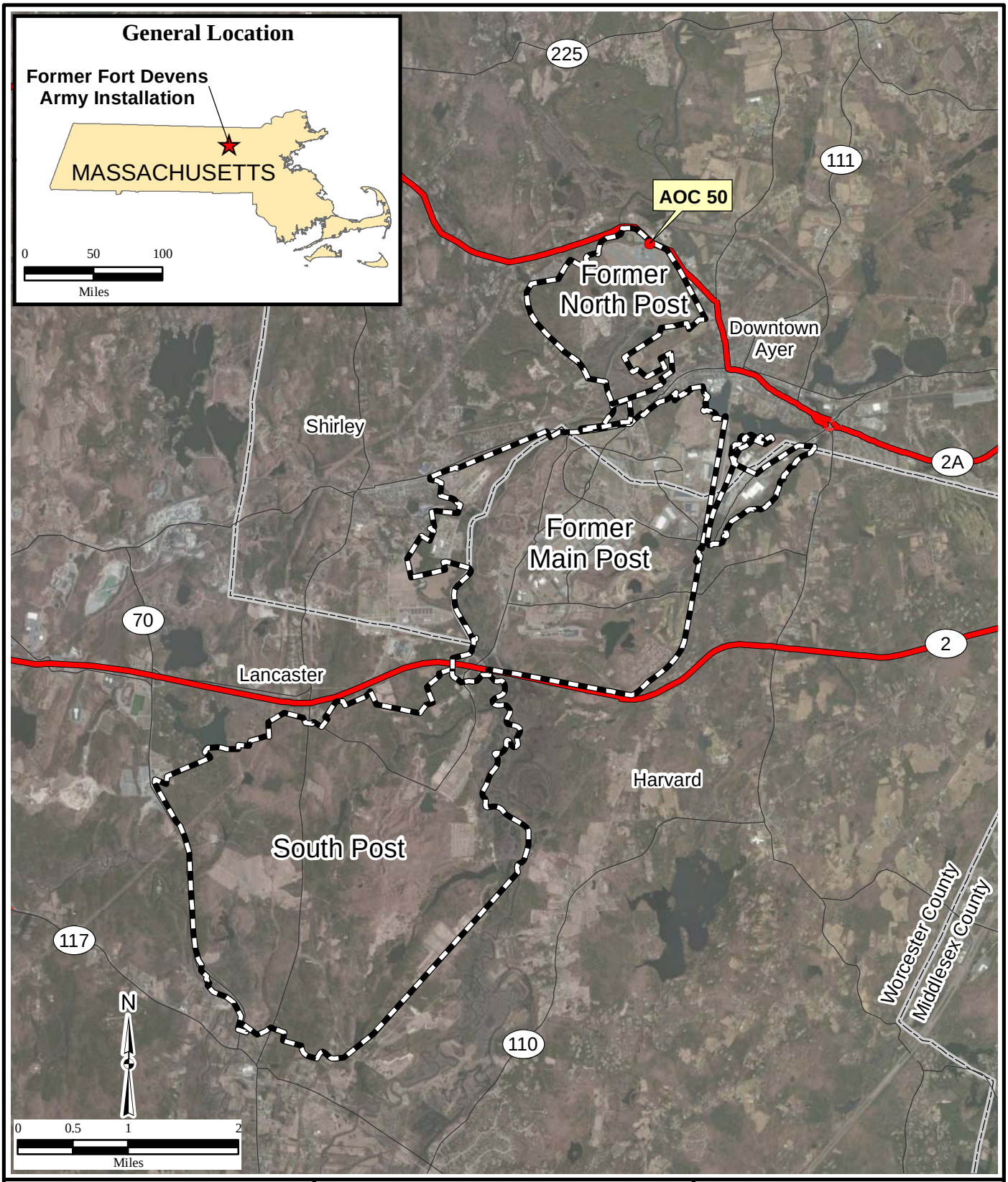
FIGURES



Source: Sovereign,HGL, ESRI, USACE, www.mass.gov,

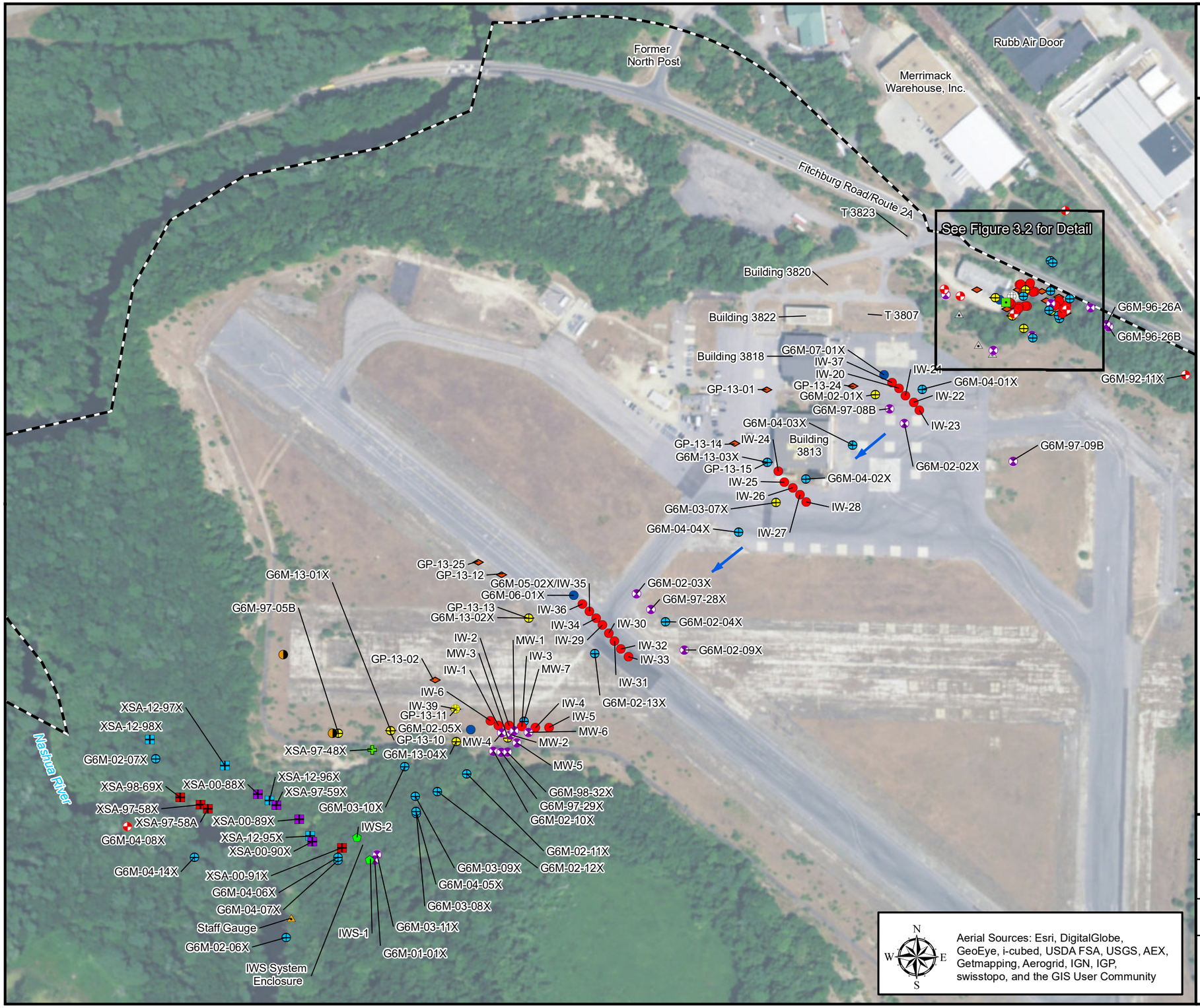
ESRI Online Bing Maps Aerial

Legend

- Area of Contamination (AOC)
- Major Road
- Highway
- County Line
- Former Fort Devens

Figure 1.1
AOC 50 Site Location
Former Fort Devens Army Installation

Figure 3.1
Site Layout
AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Abandoned Well
- Historic Soil Boring
- Historic Vertical Groundwater Profiling Location
- In-Well Stripping System Well
- Injection Well
- Injection Well Installed 01/2014
- LTM Well - Gauge Only
- MicroWell
- MicroWell - Gauge Only
- MicroWell - Sampled Annually
- Monitoring Well
- Monitoring Well Converted to Injection Well
- Staff Gauge
- Vertical Groundwater Profiling Location
- Dry Well
- Floor Drain
- G6M-92-11X Well/Gauge/Piezometer Identification
- Groundwater Flow Direction
- Former Fort Devens Boundary

Notes:
ERD = Enhanced reductive dechlorination
IWS = In-well stripping
LTM = Long-term monitoring

2016 Annual Report
AOC 50

Former Fort Devens Army Installation and Sudbury Annex
Devens, Massachusetts

KOMAN Government Solutions, LLC
293 Boston Post Road West, Suite 100, Marlborough, MA 01752

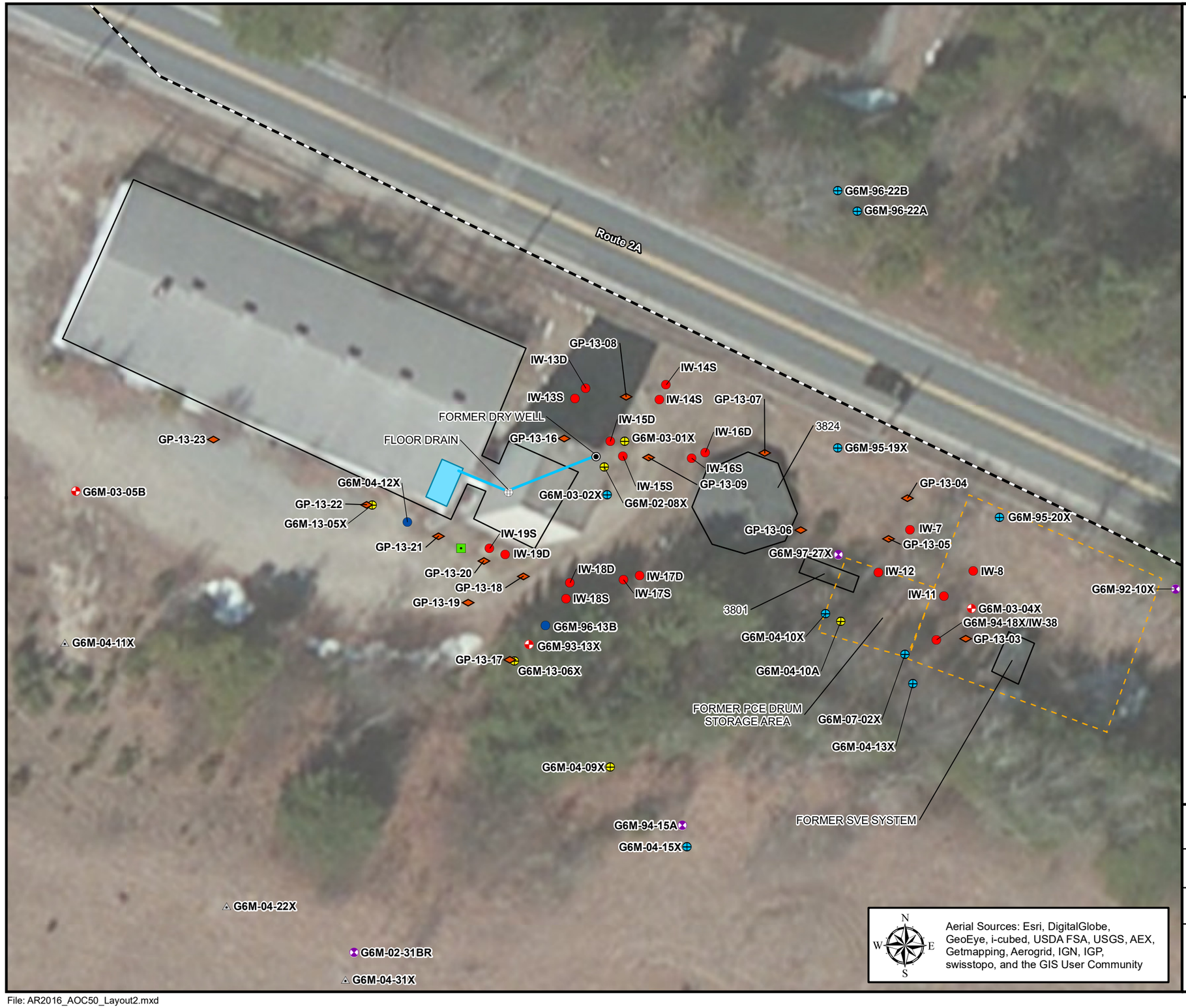
0 150 300
Feet

Date: 10/13/2017

Figure 3.1

File: AR2016_AOC50_Layout1_0917.mxd

Figure 3.2
Site Layout, Source Area
AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Historic Soil Boring
- Injection Well
- LTM Well - Gauge Only
- Monitoring Well
- Monitoring Well Converted to Injection Well
- Vertical Groundwater Profiling Location
- Former Dry Well
- Floor Drain
- Floor Drain Piping
- Janitor Sink
- Building Footprint
- Former Feature
- Former Fort Devens Boundary

2016 Annual Report
AOC 50

Former Fort Devens Army Installation and Sudbury Annex
Devens, Massachusetts

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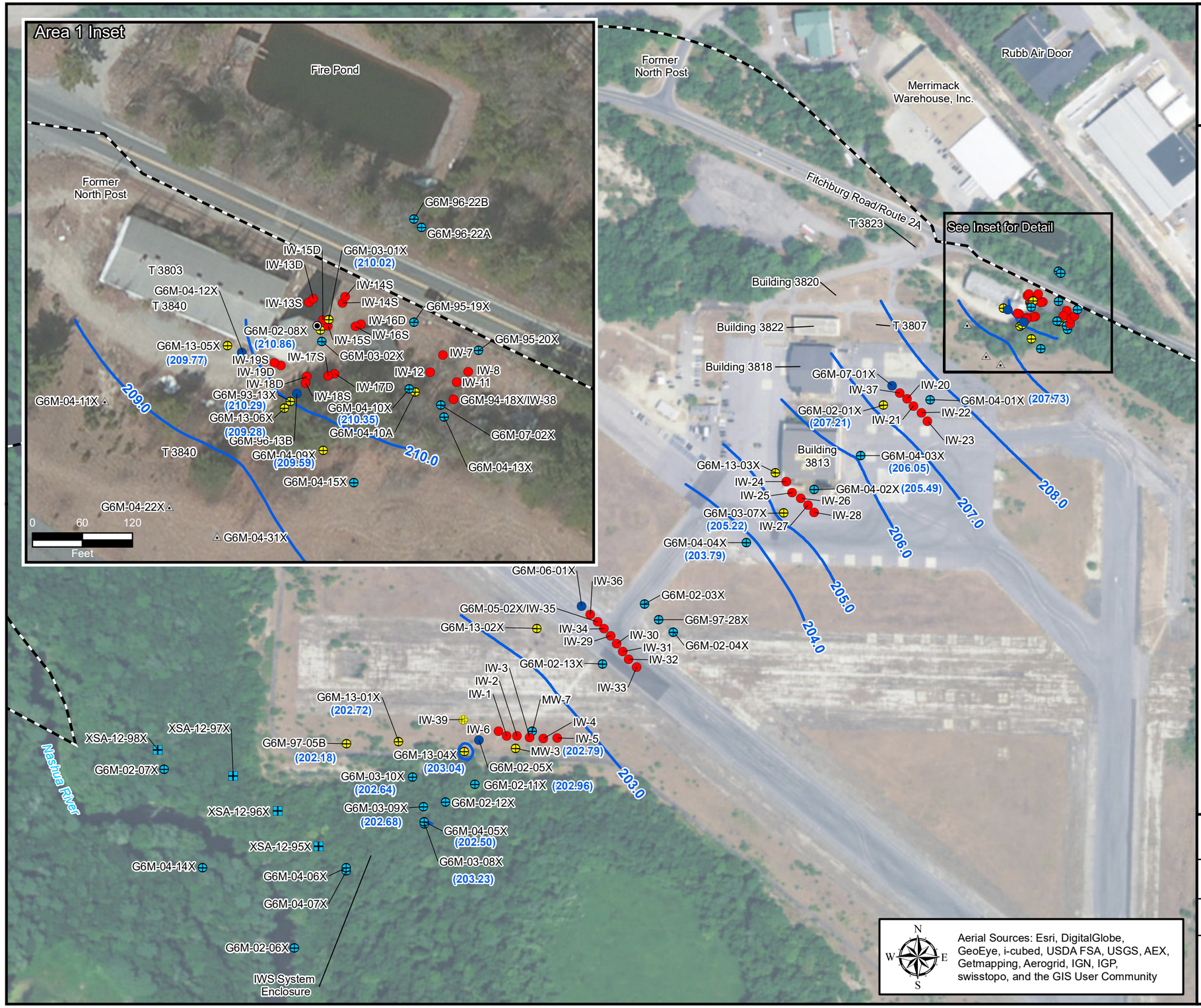
0 17.5 35
Feet

Date: 10/13/2017

Figure 3.2

File: AR2016_AOC50_Layout2.mxd

Figure 3.3
Groundwater Contour Map
AOC 50
February 3, 2016



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Monitoring Well Converted to Injection Well
- MicroWell - Sampled Annually
- Injection Well
- Injection Well Installed 01/2014
- Dry Well
- G6M-92-11X Well/Gauge/Piezometer Identification
- (202.18) Groundwater Elevation (ft AMSL)
- Groundwater Contour (ft AMSL) (Interval = 1 FT)
- Former Fort Devens Boundary

Notes:
ERD = Enhanced reductive dechlorination
IWS = In-well stripping
LTM = Long-term monitoring

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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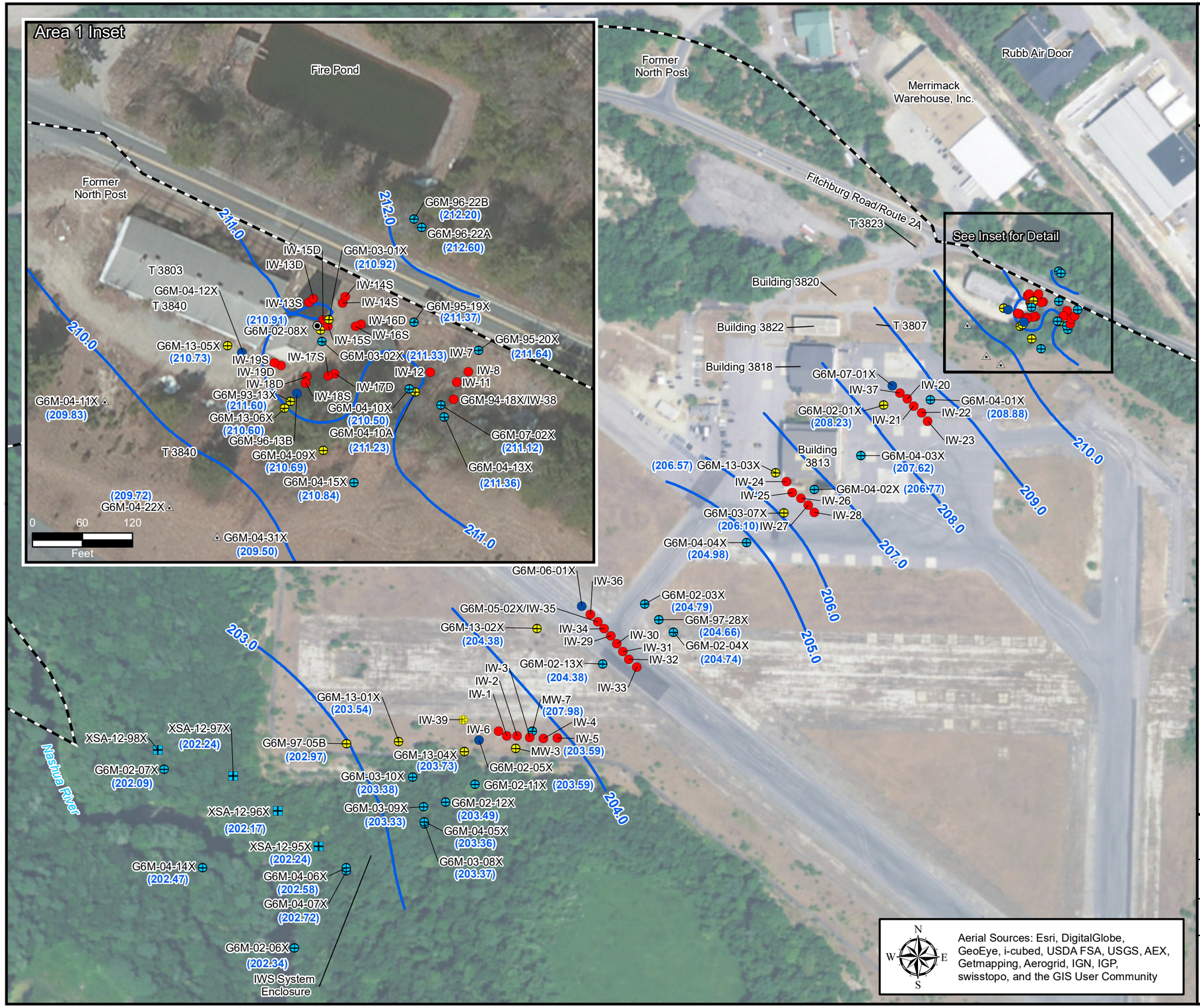
0 150 300
Feet

Date: 10/13/2017

Figure 3.3

File: AR2016_AOC50_Feb2016_GWC.mxd

Figure 3.4
Groundwater Contour Map
AOC 50
May 18, 2016



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Monitoring Well Converted to Injection Well
- MicroWell - Sampled Annually
- Injection Well
- Injection Well Installed 01/2014
- Dry Well
- G6M-92-11X Well/Gauge/Piezometer Identification
- (203.59) Groundwater Elevation (ft AMSL)
- Groundwater Contour (ft AMSL) (Interval = 1 FT)
- Former Fort Devens Boundary

Notes:
MW-7 was not used in contouring
ERD = Enhanced reductive dechlorination
IWS = In-well stripping
LTM = Long-term monitoring

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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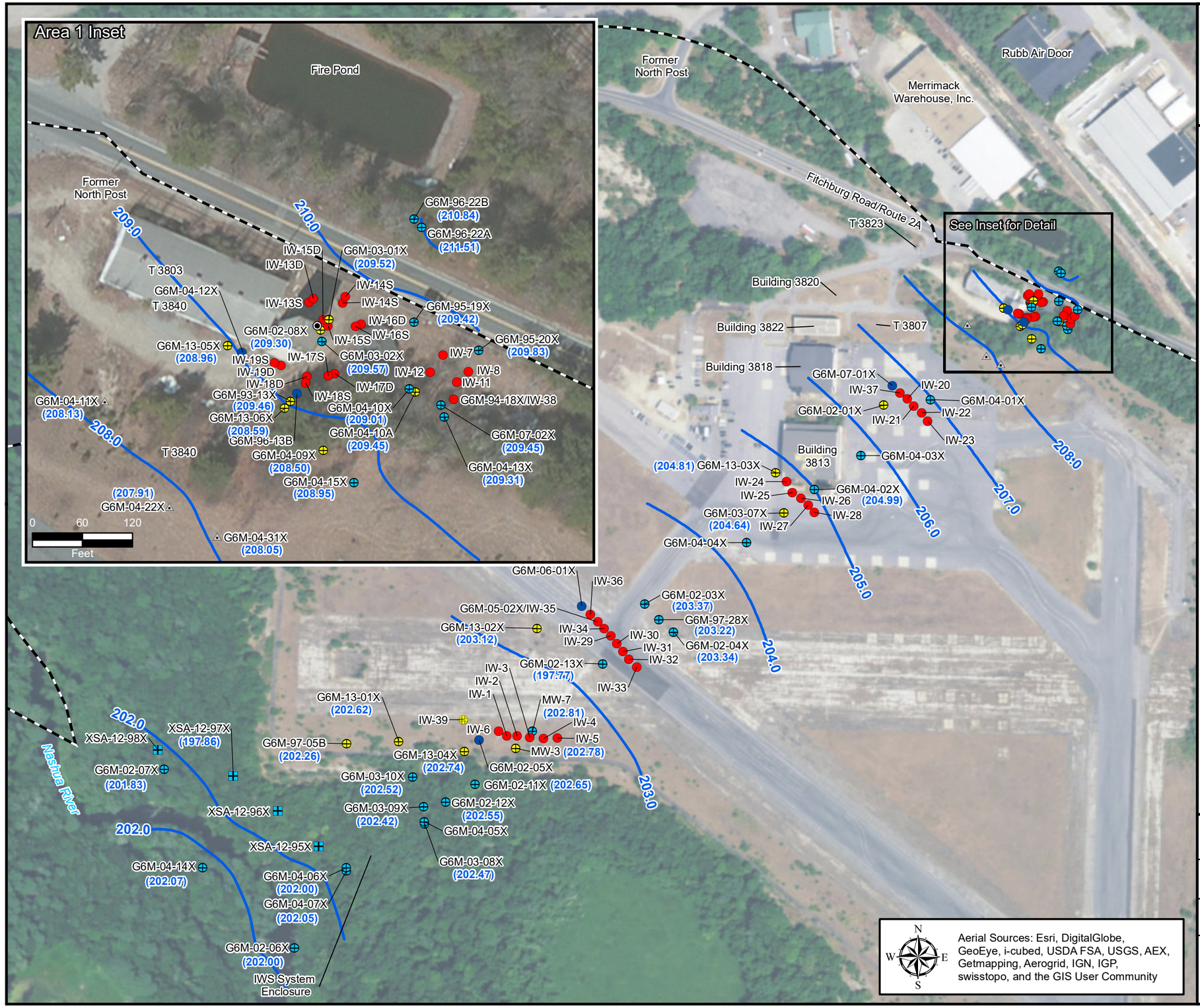
0 150 300
Feet

Date: 10/13/2017

Figure 3.4

File: AR2016_AOC50_May2016_GWC.mxd

Figure 3.5
Groundwater Contour Map
AOC 50
November 7, 2016



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Monitoring Well Converted to Injection Well
- MicroWell - Sampled Annually
- Injection Well
- Injection Well Installed 01/2014
- Dry Well
- G6M-92-11X Well/Gauge/Piezometer Identification
- (202.78) Groundwater Elevation (ft AMSL)
- Groundwater Contour (ft AMSL) (Interval = 1 FT)
- Former Fort Devens Boundary

Notes:
G6M-02-13X and XSA-12-97X were not used in contouring
ERD = Enhanced reductive dechlorination
IWS = In-well stripping
LTM = Long-term monitoring

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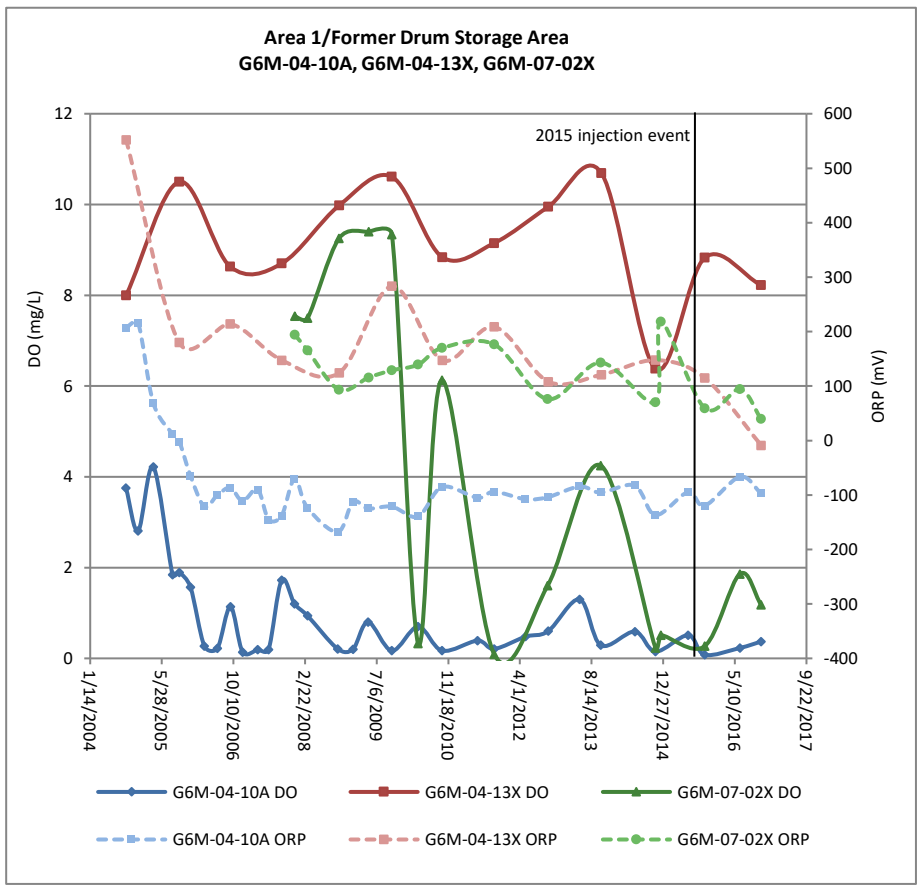
0 150 300
Feet

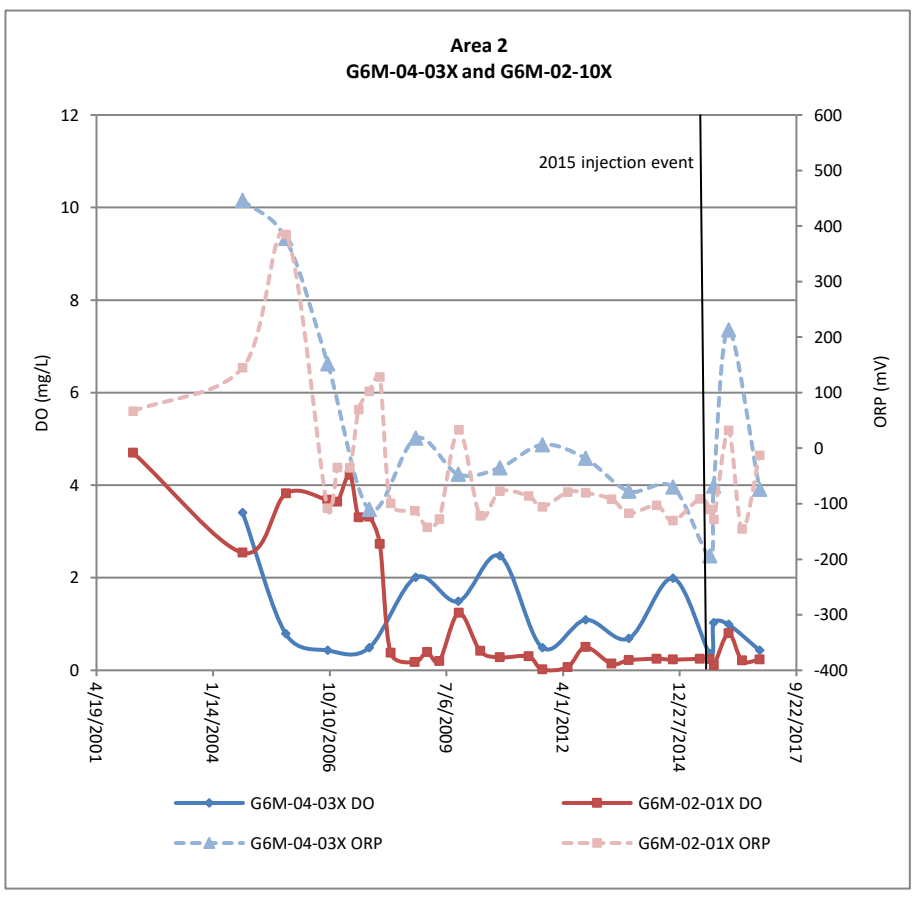
Date: 10/13/2017

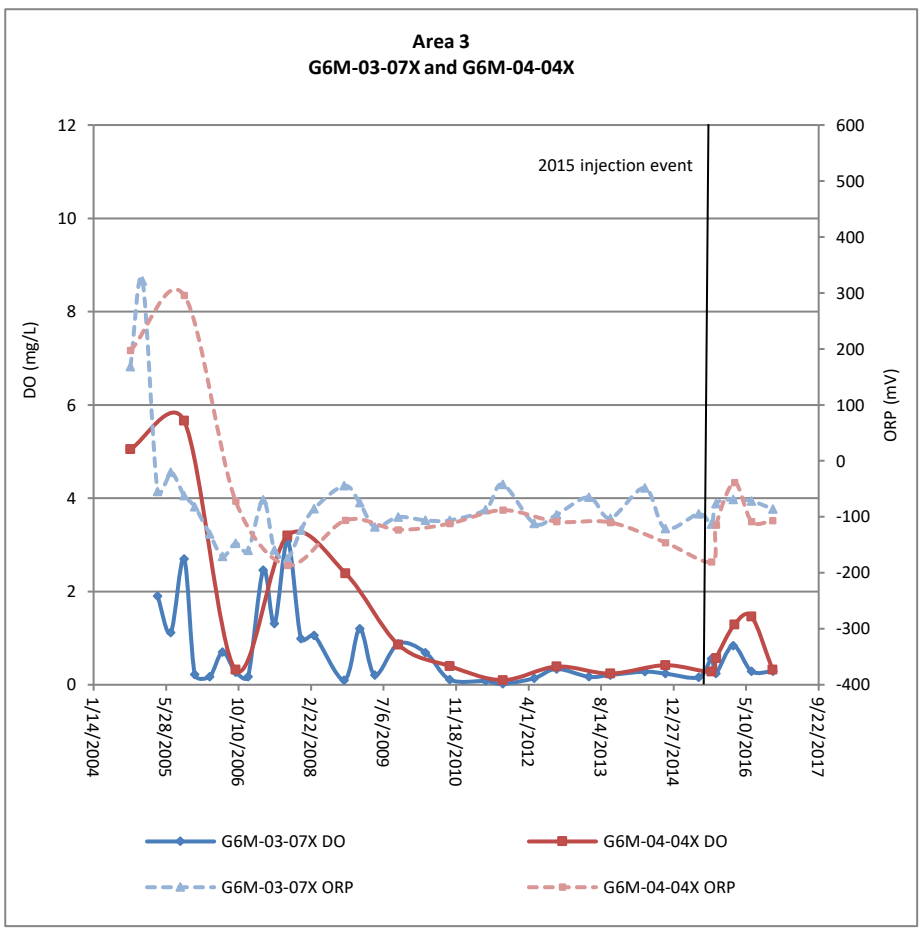
Figure 3.5

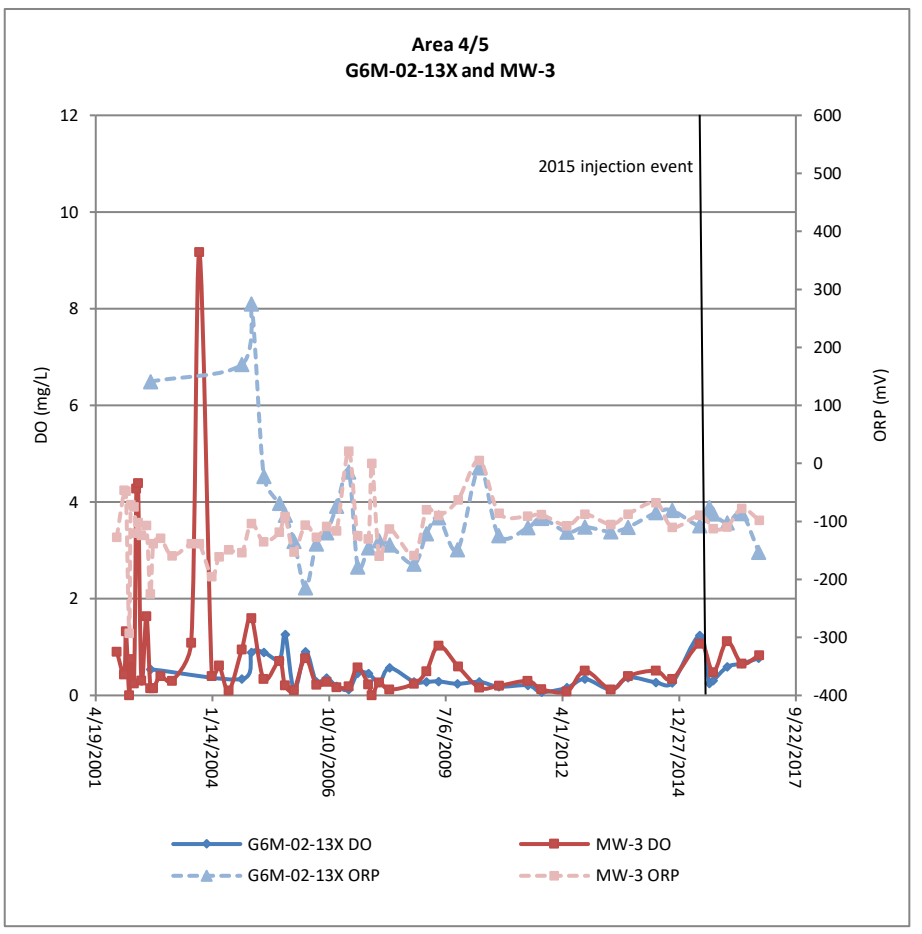
File: AR2016_AOC50_Nov2016_GWC.mxd

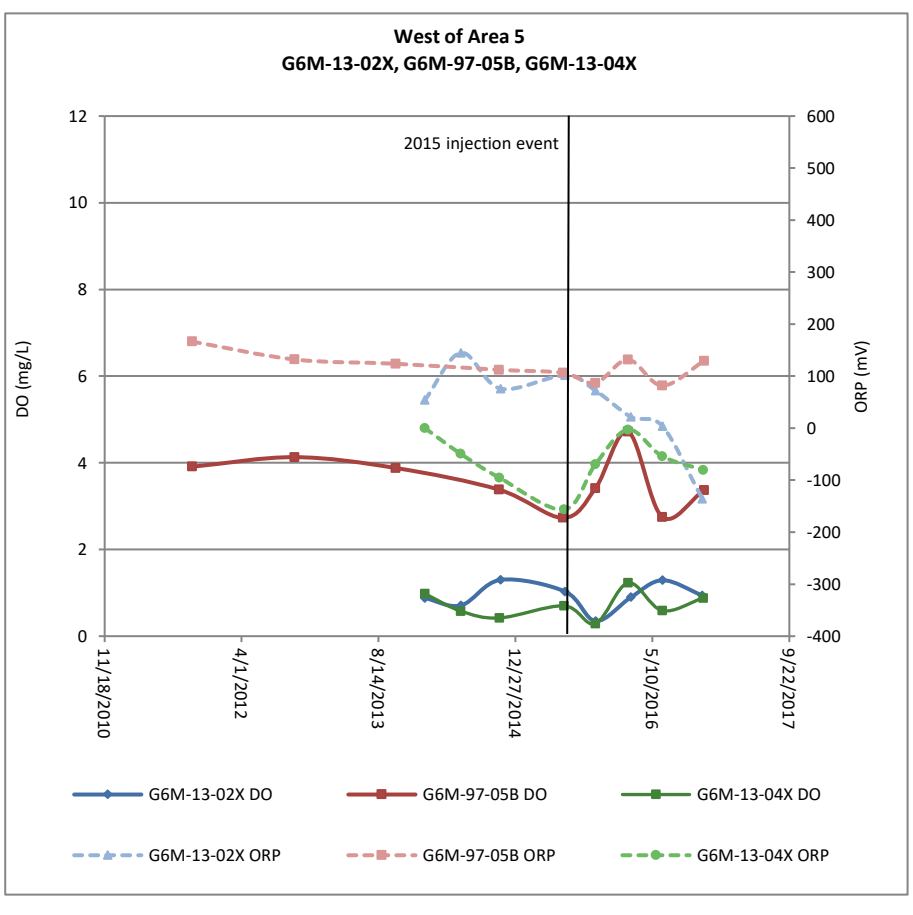
Figure 4.1
Dissolved Oxygen and Oxidation Reduction Potential Trend Graphs

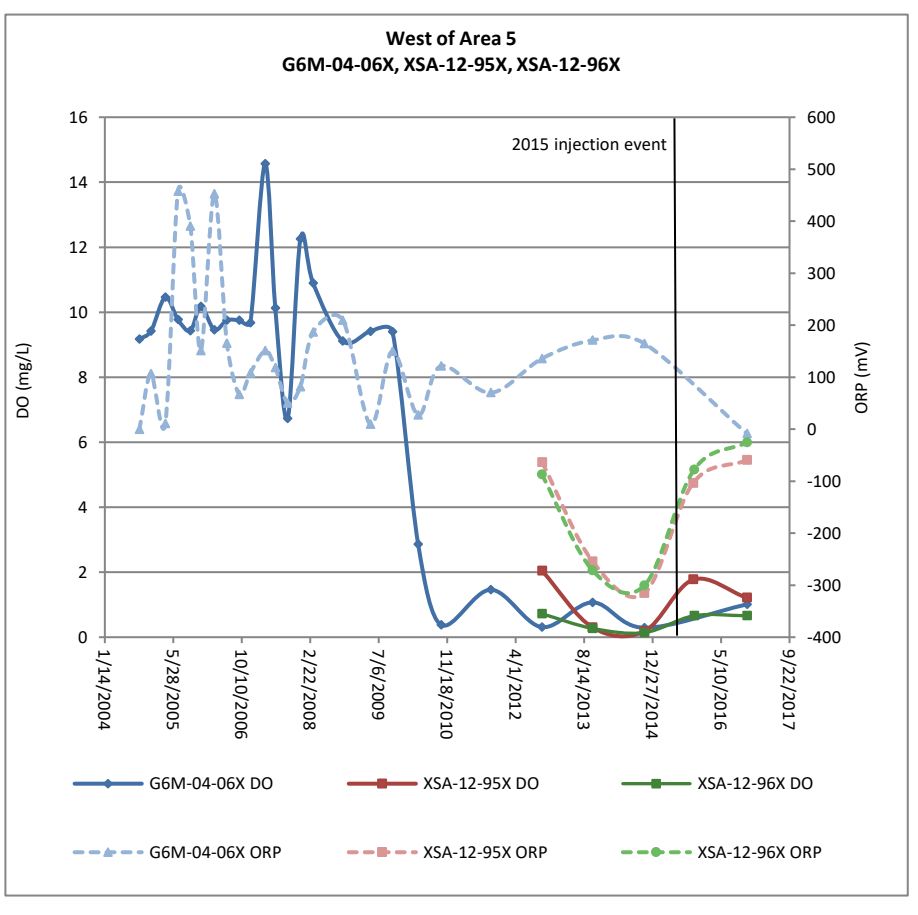






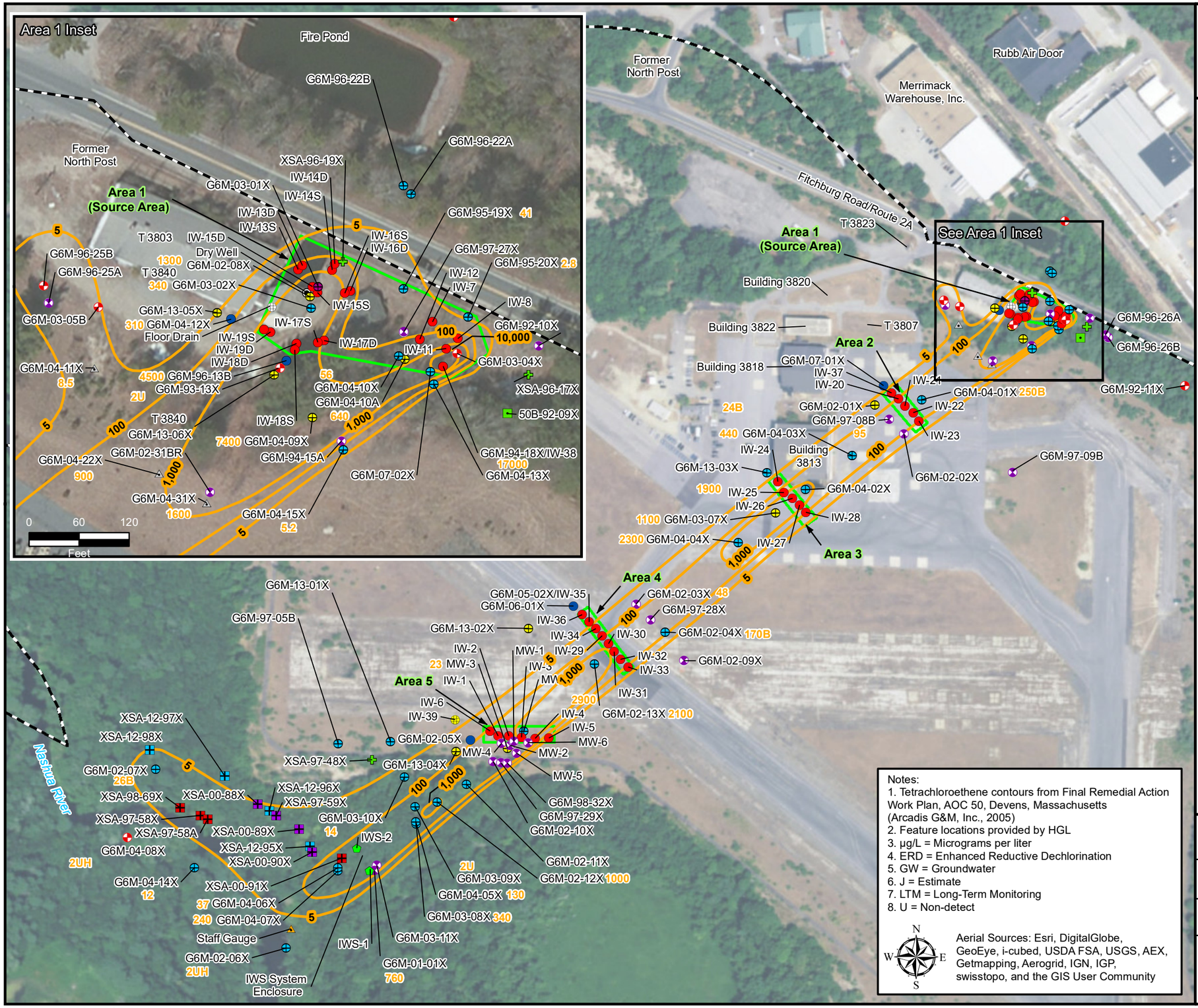






DO = dissolved oxygen mV = milli Volts
mg/L = milligrams per liter ORP = oxidation reduction potential

Figure 4.2
Tetrachloroethene Concentration in Groundwater 2004 AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- ERD LTM Well - Sampled Every 3 Years
- LTM Well - Gauge Only
- Monitoring Well
- Monitoring Well Converted to Injection Well
- In-Well Stripping System Well
- MicroWell® - Sampled Annually
- MicroWell® - Gauge Only
- MicroWell®
- Injection Well
- Staff Gauge
- Historic Vertical Groundwater Profiling Location
- Historic Soil Boring
- Injection Well Installed 01/2014
- Dry Well
- Floor Drain
- G6M-92-11X — Well/Gauge/Piezometer Identification
- 5 — Tetrachloroethene Contour (µg/L)
- 1.7 — Tetrachloroethene Concentration (µg/L)
- Former Fort Devens Boundary
- ERD Injection Well Transect

Notes:
1. Tetrachloroethene contours from Final Remedial Action Work Plan, AOC 50, Devens, Massachusetts (Arcadis G&M, Inc., 2005)
2. Feature locations provided by HGL
3. µg/L = Micrograms per liter
4. ERD = Enhanced Reductive Dechlorination
5. GW = Groundwater
6. J = Estimate
7. LTM = Long-Term Monitoring
8. U = Non-detect

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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AOC 50

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Devens, Massachusetts

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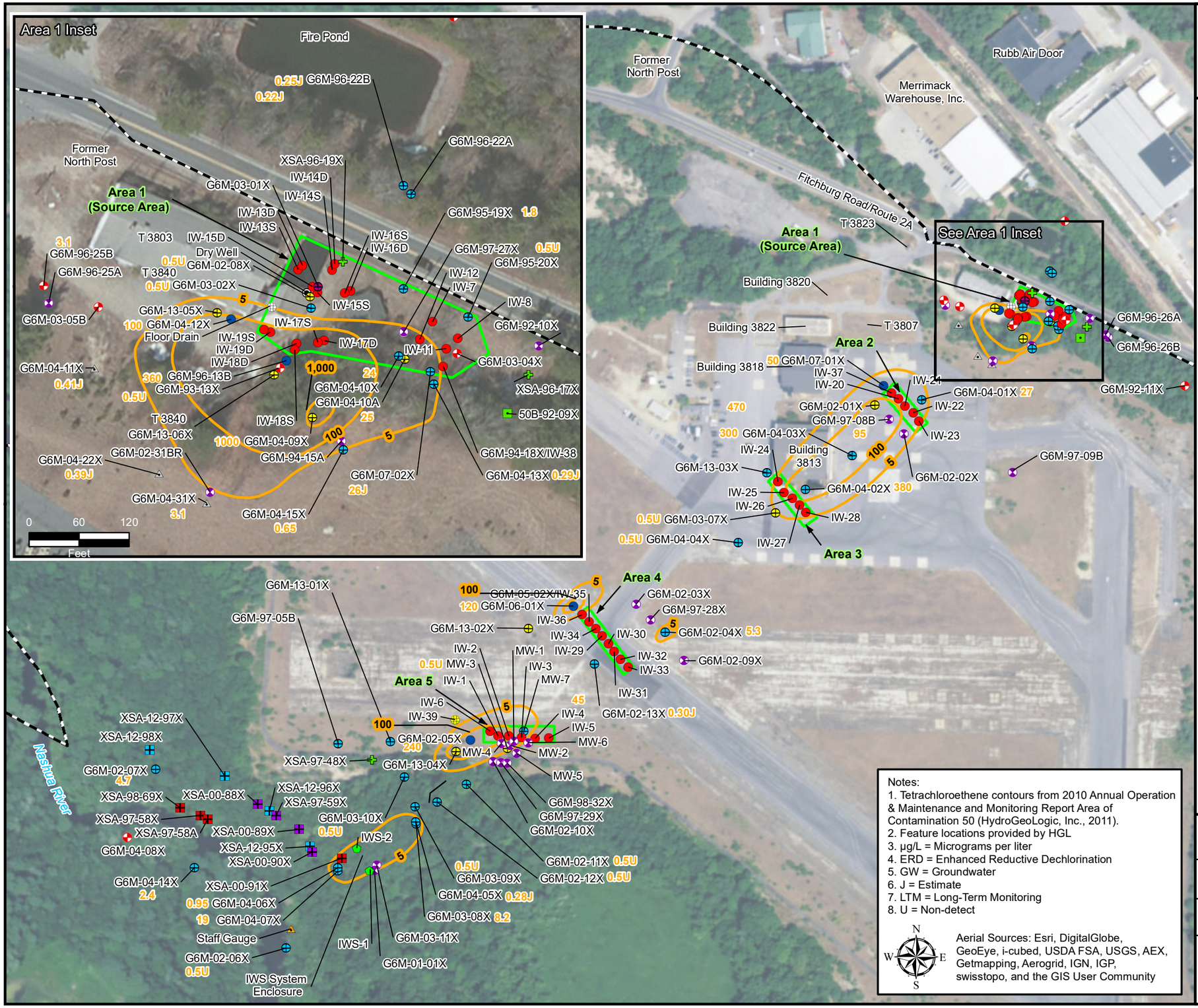
0 150 300
Feet

Date: 10/13/2017

Figure 4.2

File: AR2016_AOC50_PCE_2004.mxd

Figure 4.3
Tetrachloroethene Concentration in Groundwater 2010 AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- ERD LTM Well - Sampled Every 3 Years
- LTM Well - Gauge Only
- Monitoring Well
- Monitoring Well Converted to Injection Well
- In-Well Stripping System Well
- MicroWell®- Sampled Annually
- MicroWell®- Gauge Only
- MicroWell®
- Injection Well
- Staff Gauge
- Historic Vertical Groundwater Profiling Location
- Historic Soil Boring
- Injection Well Installed 01/2014
- Dry Well
- Floor Drain
- G6M-92-11X — Well/Gauge/Piezometer Identification
- 5 — Tetrachloroethene Contour (µg/L)
- 1.7 — Tetrachloroethene Concentration (µg/L)
- Former Fort Devens Boundary
- ERD Injection Well Transect

Notes:
1. Tetrachloroethene contours from 2010 Annual Operation & Maintenance and Monitoring Report Area of Contamination 50 (HydroGeoLogic, Inc., 2011).
2. Feature locations provided by HGL
3. µg/L = Micrograms per liter
4. ERD = Enhanced Reductive Dechlorination
5. GW = Groundwater
6. J = Estimate
7. LTM = Long-Term Monitoring
8. U = Non-detect

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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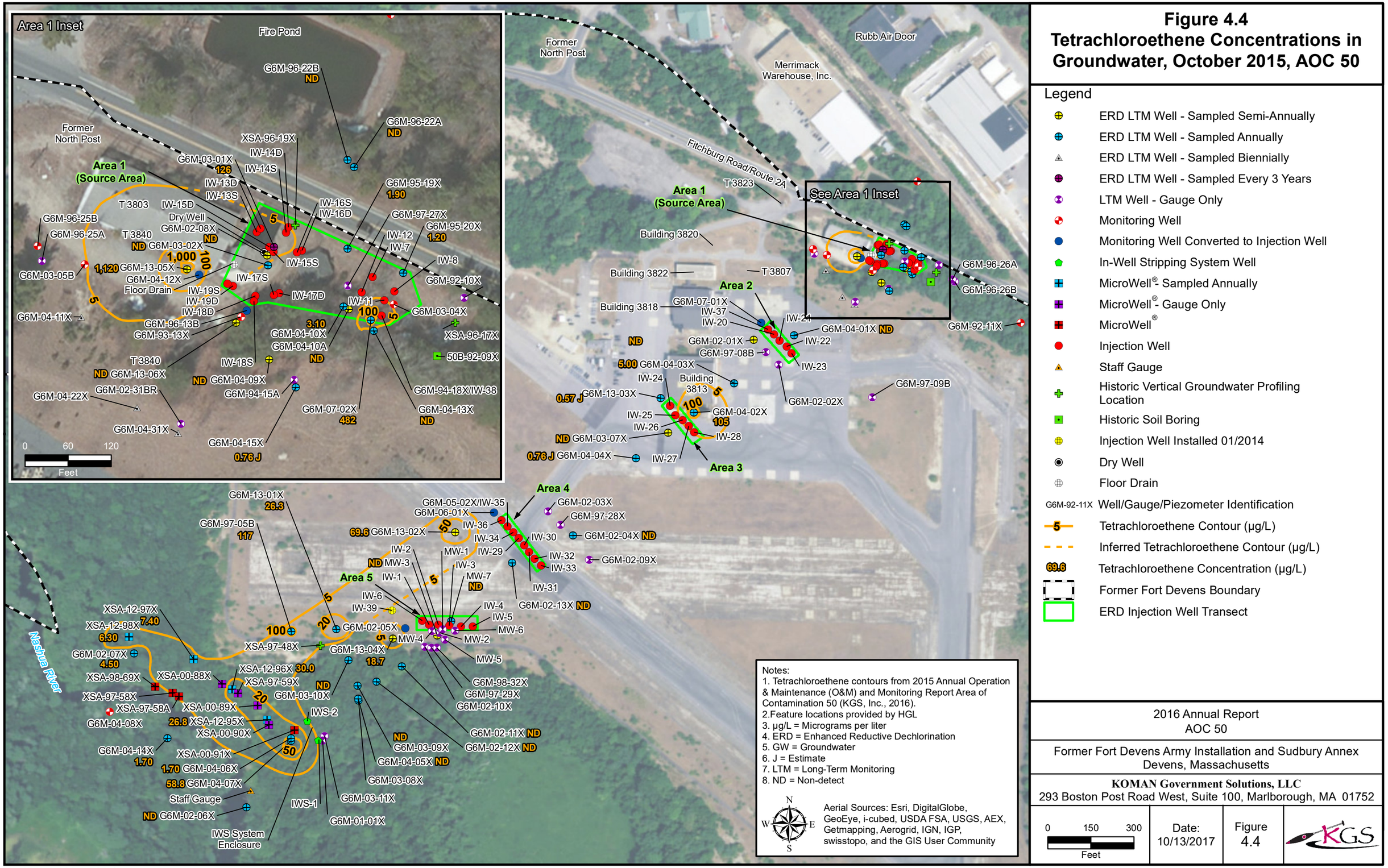
0 150 300
Feet

Date: 10/13/2017

Figure 4.3

File: AR2016_AOC50_PCE_2010.mxd

Figure 4.4
Tetrachloroethene Concentrations in Groundwater, October 2015, AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- ERD LTM Well - Sampled Every 3 Years
- LTM Well - Gauge Only
- Monitoring Well
- Monitoring Well Converted to Injection Well
- In-Well Stripping System Well
- MicroWell® - Sampled Annually
- MicroWell® - Gauge Only
- MicroWell®
- Injection Well
- Staff Gauge
- Historic Vertical Groundwater Profiling Location
- Historic Soil Boring
- Injection Well Installed 01/2014
- Dry Well
- Floor Drain
- G6M-92-11X Well/Gauge/Piezometer Identification
- 5 Tetrachloroethene Contour (µg/L)
- Inferred Tetrachloroethene Contour (µg/L)
- 69.6 Tetrachloroethene Concentration (µg/L)
- Former Fort Devens Boundary
- ERD Injection Well Transect

Notes:
1. Tetrachloroethene contours from 2015 Annual Operation & Maintenance (O&M) and Monitoring Report Area of Contamination 50 (KGS, Inc., 2016).
2.Feature locations provided by HGL
3. µg/L = Micrograms per liter
4. ERD = Enhanced Reductive Dechlorination
5. GW = Groundwater
6. J = Estimate
7. LTM = Long-Term Monitoring
8. ND = Non-detect

N W E S

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

2016 Annual Report
AOC 50

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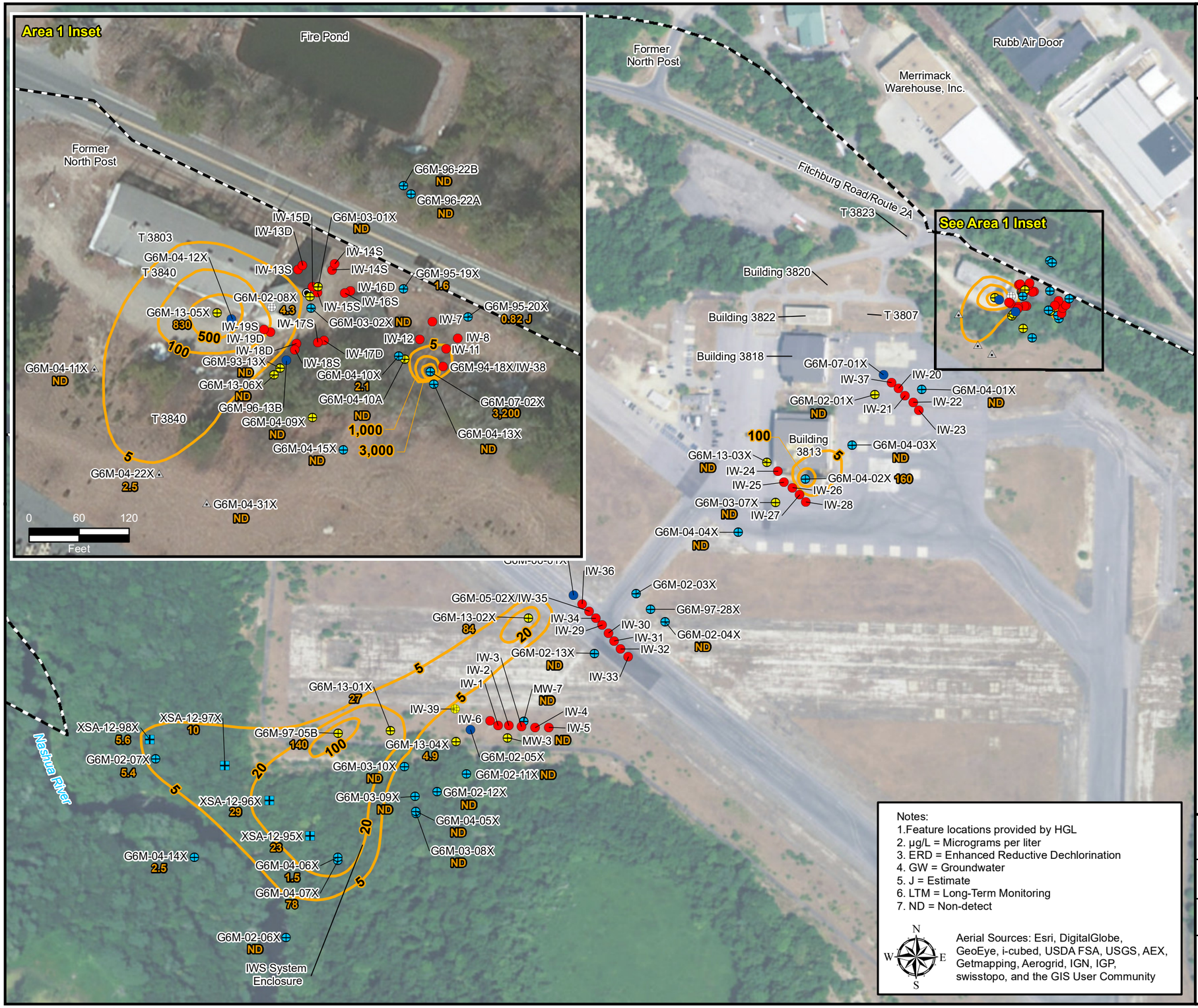
0 150 300
Feet

Date: 10/13/2017

Figure 4.4

File: AR2016_AOC50_PCE_Oct2015.mxd

Figure 4.5
Tetrachloroethene Concentration in Groundwater, November 2016, AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Monitoring Well Converted to Injection Well
- MicroWell - Sampled Annually
- Injection Well
- Injection Well Installed 01/2014
- Dry Well
- Floor Drain
- G6M-92-11X Well/Gauge/Piezometer Identification
- 5 Interpretive Tetrachloroethene (PCE) Contour (µg/L)
- 160 Tetrachloroethene (PCE) Concentration (µg/L)
- Former Fort Devens Boundary

Notes:
1. Feature locations provided by HGL
2. µg/L = Micrograms per liter
3. ERD = Enhanced Reductive Dechlorination
4. GW = Groundwater
5. J = Estimate
6. LTM = Long-Term Monitoring
7. ND = Non-detect

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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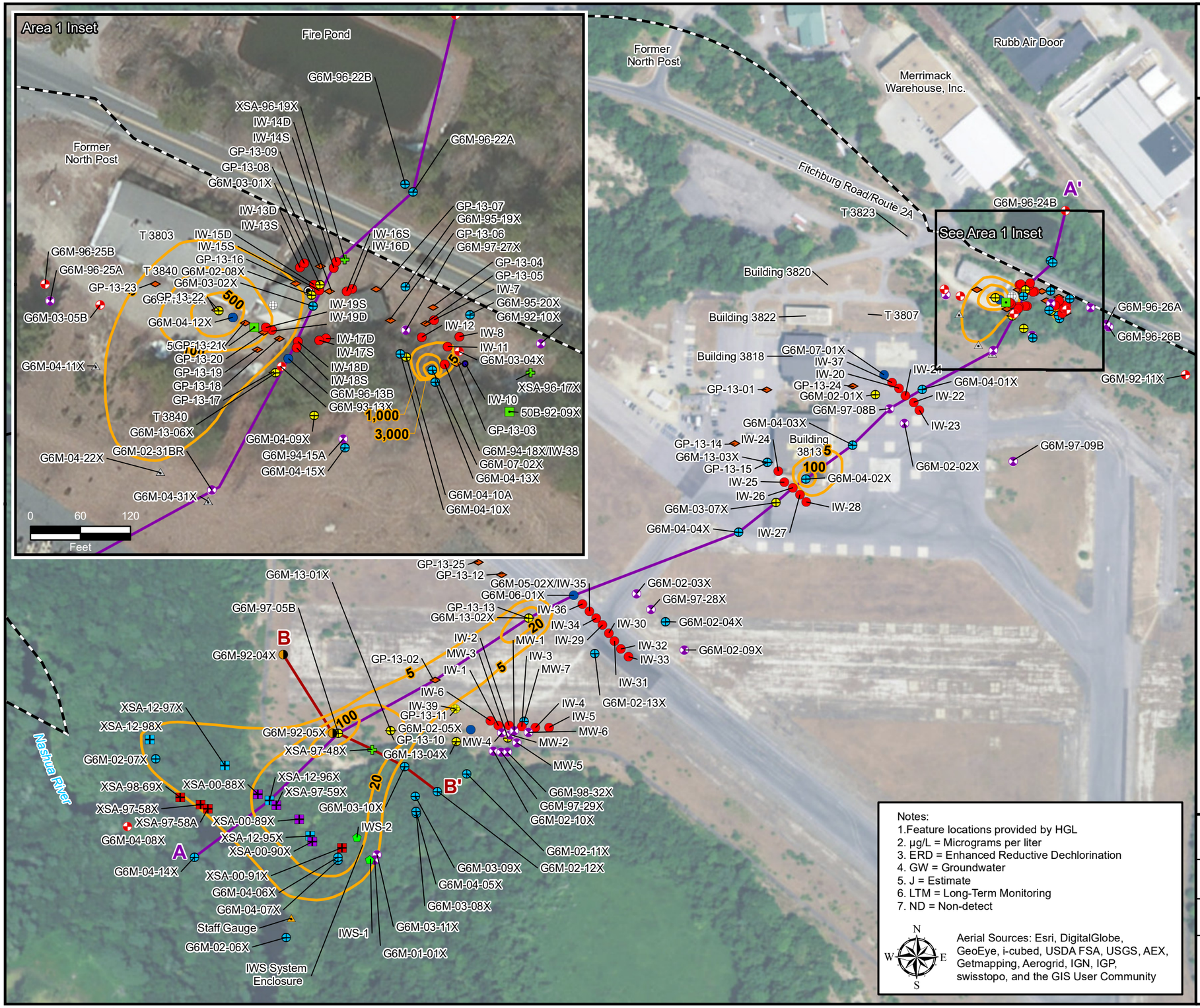
Date: 10/13/2017

Figure 4.5

File: AR2016_AOC50_PCE_Nov2016.mxd

Figure 4.6
Cross-Section Plan View
AOC 50



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Abandoned Well
- Historic Soil Boring
- Historic Vertical Groundwater Profiling Location
- In-Well Stripping System Well
- Injection Well
- Injection Well Installed 01/2014
- LTM Well - Gauge Only
- MicroWell
- MicroWell - Gauge Only
- MicroWell - Sampled Annually
- Monitoring Well
- Monitoring Well Converted to Injection Well
- Staff Gauge
- Vertical Groundwater Profiling Location
- Dry Well
- Floor Drain
- G6M-92-11X — Well/Gauge/Piezometer Identification
- 5 — Interpretive Tetrachloroethene (PCE) Contour (µg/L) - (November 2016)
- Cross-Section A-A'
- Cross-Section B-B'
- Former Fort Devens Boundary

Notes:
1. Feature locations provided by HGL
2. µg/L = Micrograms per liter
3. ERD = Enhanced Reductive Dechlorination
4. GW = Groundwater
5. J = Estimate
6. LTM = Long-Term Monitoring
7. ND = Non-detect

N W E S

Aerial Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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AOC 50

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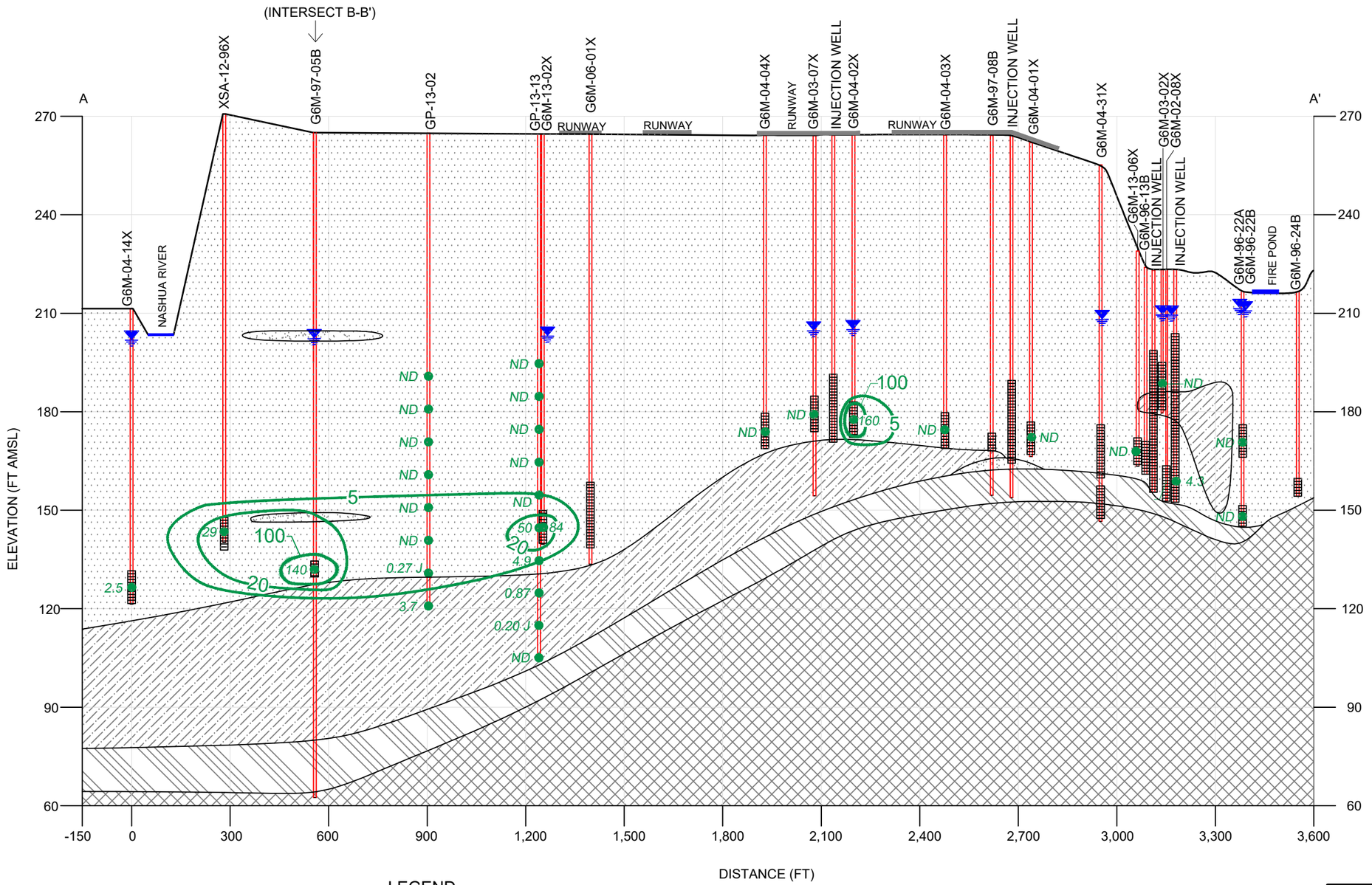
0 150 300 Feet

Date: 10/13/2017

Figure 4.6

KGS

File: AR2016_AOC50_XSectLoc.mxd



NOTES:

FT = FEET
FT AMSL = FEET ABOVE MEAN SEA LEVEL
J = THE ANALYTE WAS DETECTED AT THE REPORTED CONCENTRATION; THE QUANTITATION IS AN ESTIMATE
µg/L = MICROGRAMS PER LITER

ND = NON-DETECT

GROUNDWATER PROFILING RESULTS AT GP-13-02 AND GP-13-13 WERE FROM 2013.

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.

CROSS SECTION FEATURES INCLUDING WELL LOCATIONS, SCREEN LOCATION AND LITHOLOGY FOR THE EASTERN PORTION OF THE CROSS-SECTION (G6M-04-04X TO G6M-96-24) BASED ON "FIGURE 4.10 TETRACHLOROETHENE PLUME IN GROUNDWATER (CROSS SECTION A-A') PRIOR TO ERD INJECTIONS" BY HGL ON 03/31/2014.

LEGEND

- FINE SAND
- COARSE SAND
- SILTY SAND
- GLACIAL TILL
- BEDROCK
- GW ELEVATION ON 11/07/2016
- WELL SCREEN INTERVAL
- BORING
- LITHOLOGY BOUNDARY
- G6M-13-02X — BORING/WELL IDENTIFICATION
- 4.3 ● — TETRACHLOROETHENE SAMPLE CONCENTRATION (µg/L)
- TETRACHLOROETHENE CONTOUR (µg/L)

Tetrachloroethene Plume in Groundwater - Cross Section, A-A'
AOC 50, November 2016

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Devens, Massachusetts

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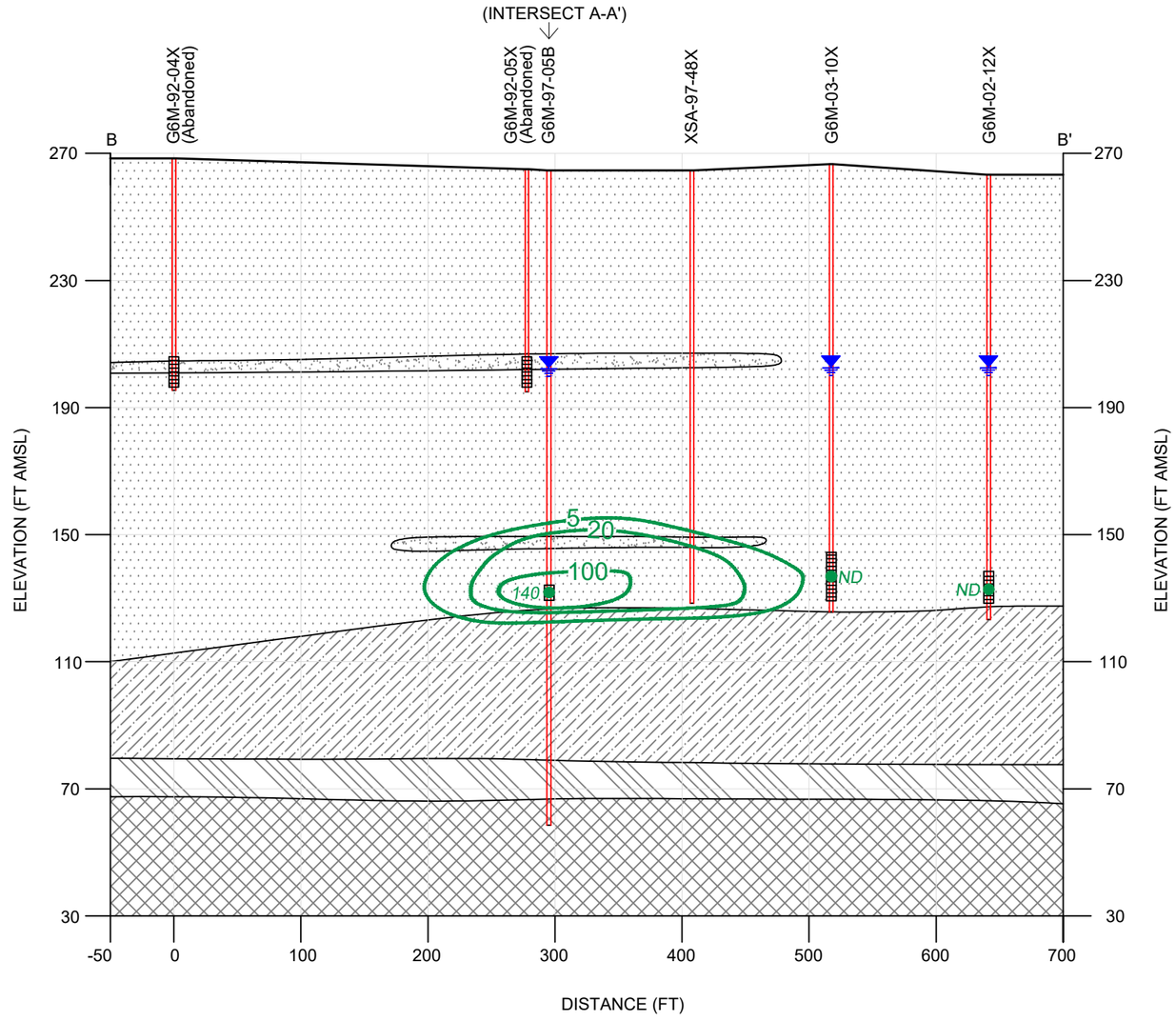
Date: 10/13/2017

Figure 4.7

File: AR2016_AOC50_XSections.dwg Date: 10/13/2017



LEGEND

- FINE SAND
- COARSE SAND
- SILTY SAND
- GLACIAL TILL
- BEDROCK
- GW ELEVATION ON 11/07/2016
- WELL SCREEN INTERVAL
- BORING
- LITHOLOGY BOUNDARY
- G6M-03-10X — BORING/WELL IDENTIFICATION
- 140 ● — TETRACHLOROETHENE SAMPLE CONCENTRATION (µg/L)
- TETRACHLOROETHENE CONTOUR (µg/L)

NOTES:

FT = FEET
FT AMSL = FEET ABOVE MEAN SEA LEVEL
µg/L = MICROGRAMS PER LITER

ND = NON-DETECT

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.

CROSS SECTION FEATURES INCLUDING WELL LOCATIONS, SCREEN LOCATION AND LITHOLOGY AT G6M-92-04X, G6M-97-05B AND XSA-97-78X BASED ON "FIGURE 6 TETRACHLOROETHENE PLUME IN GROUNDWATER (CROSS SECTION C-C') OCTOBER 2013" BY HGL ON 03/31/2014.

Tetrachloroethene Plume in Groundwater - Cross Section, B-B'
AOC 50, November 2016

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Devens, Massachusetts

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	Date: 10/13/2017	Figure 4.8	KGS

File: AK2016_AOC50_XSections.dwg Date: 10/13/2017

Figure 4.9
Area 1 PCE Concentration Trend Graphs

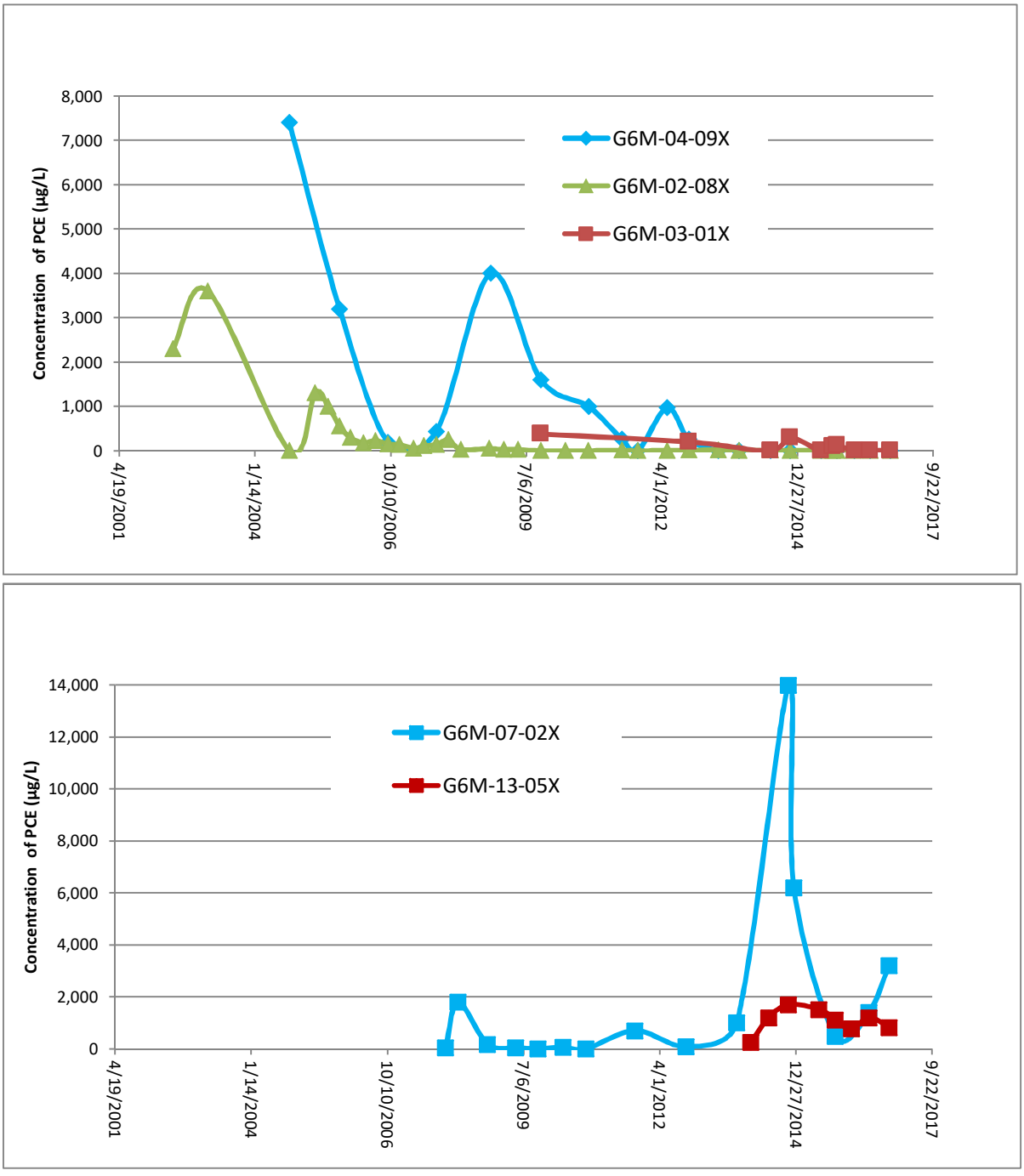


Figure 4.10
Area 2 PCE ConcentrationTrend Graph

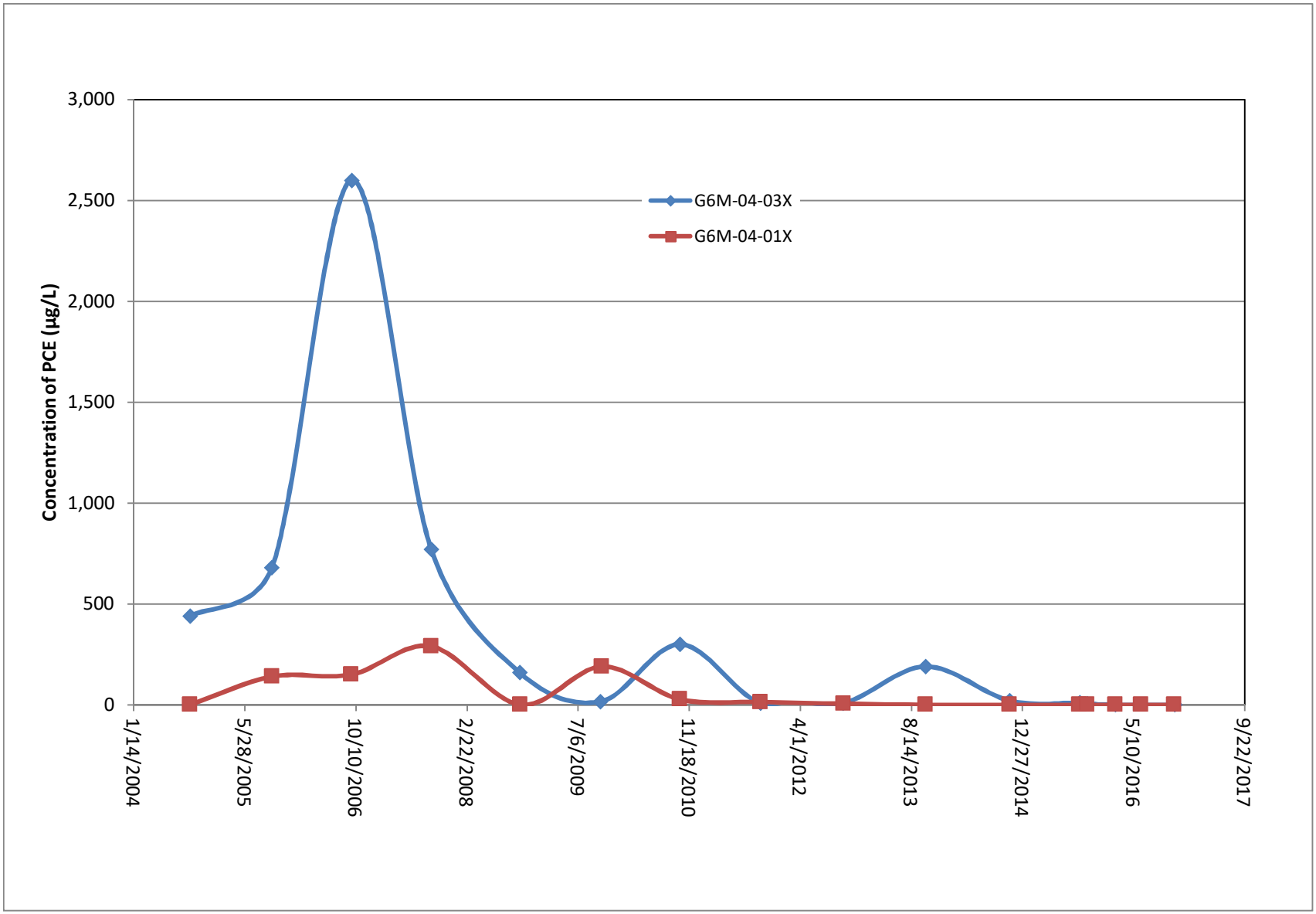


Figure 4.11
Area 3 PCE Concentration Graph

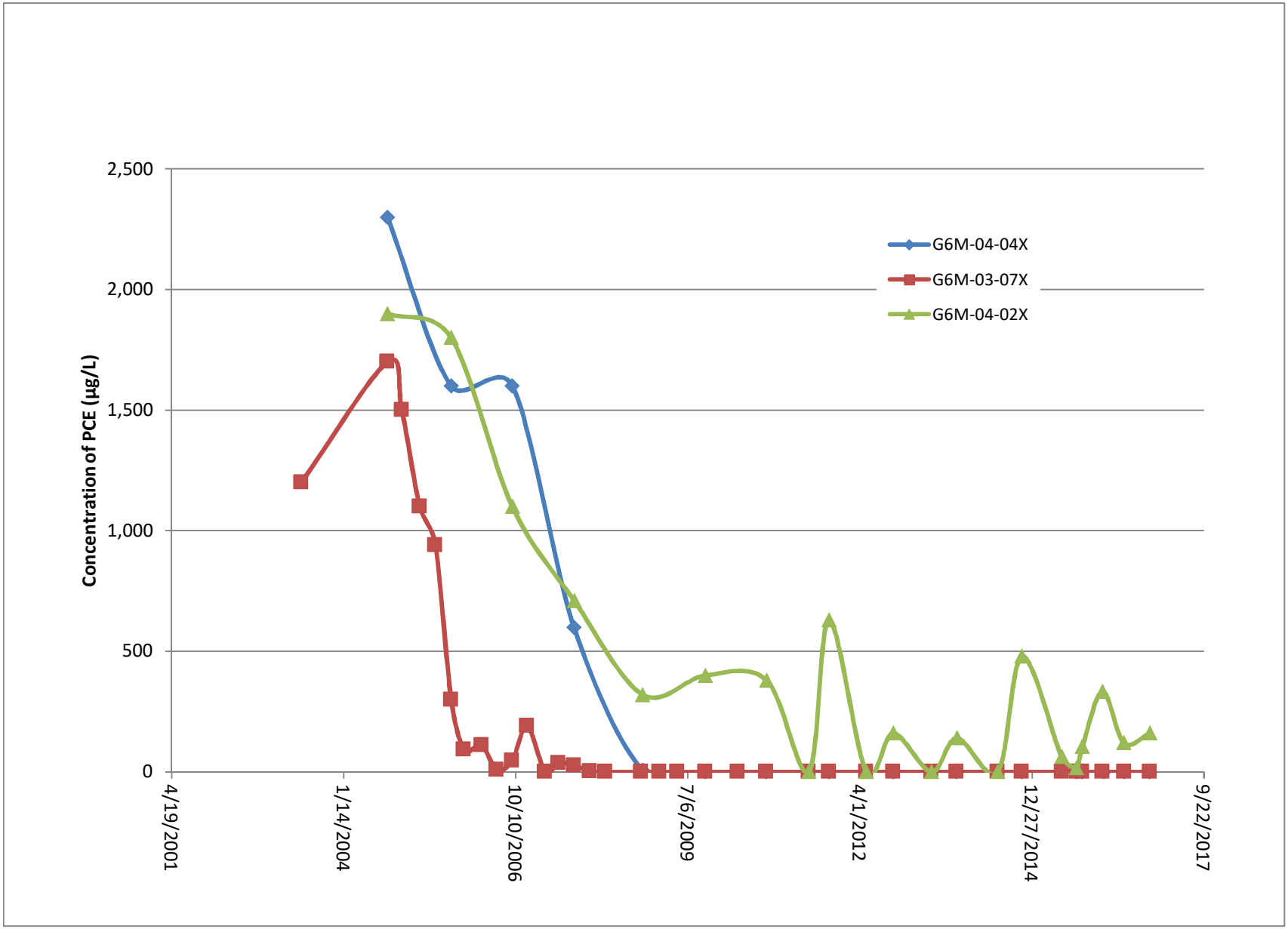
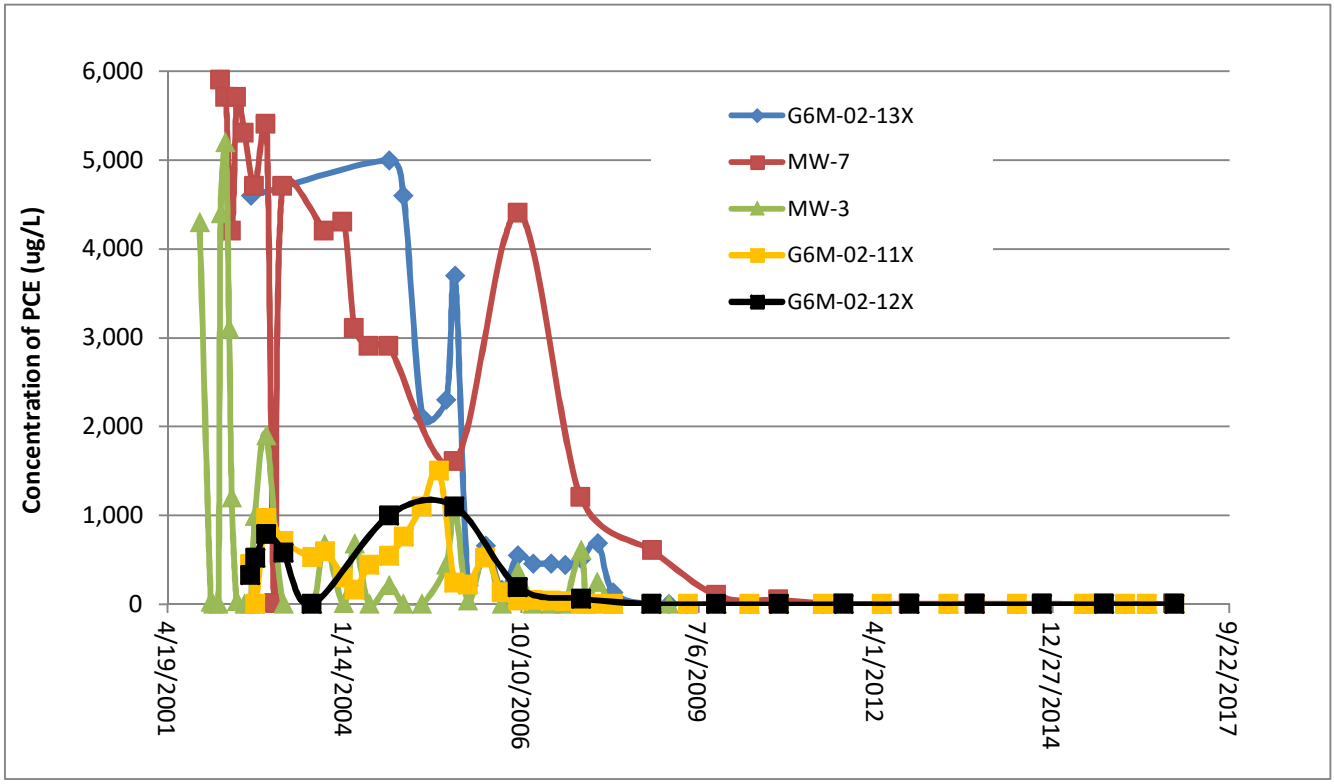


Figure 4.12
Areas 4 and 5 PCE Concentration Trend Graphs



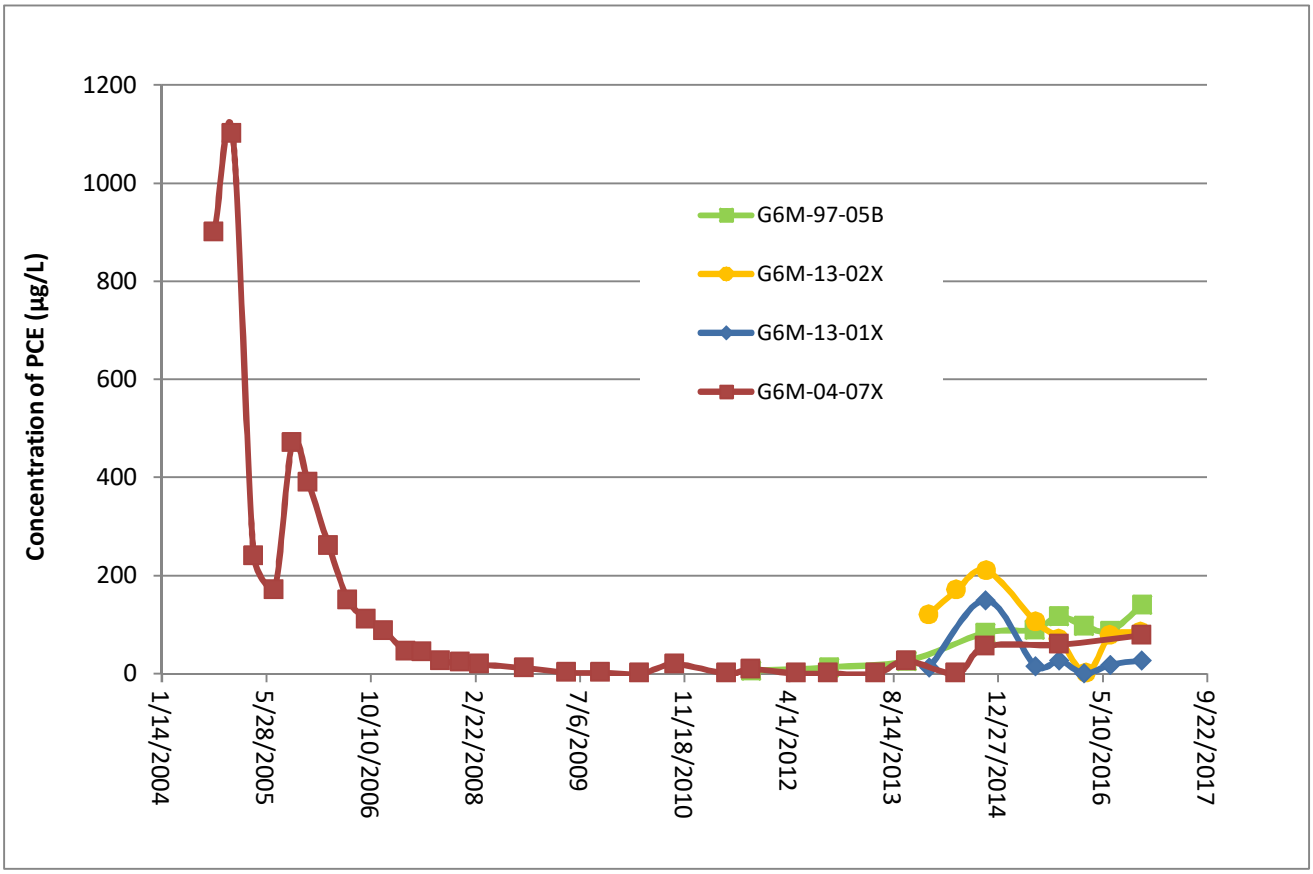
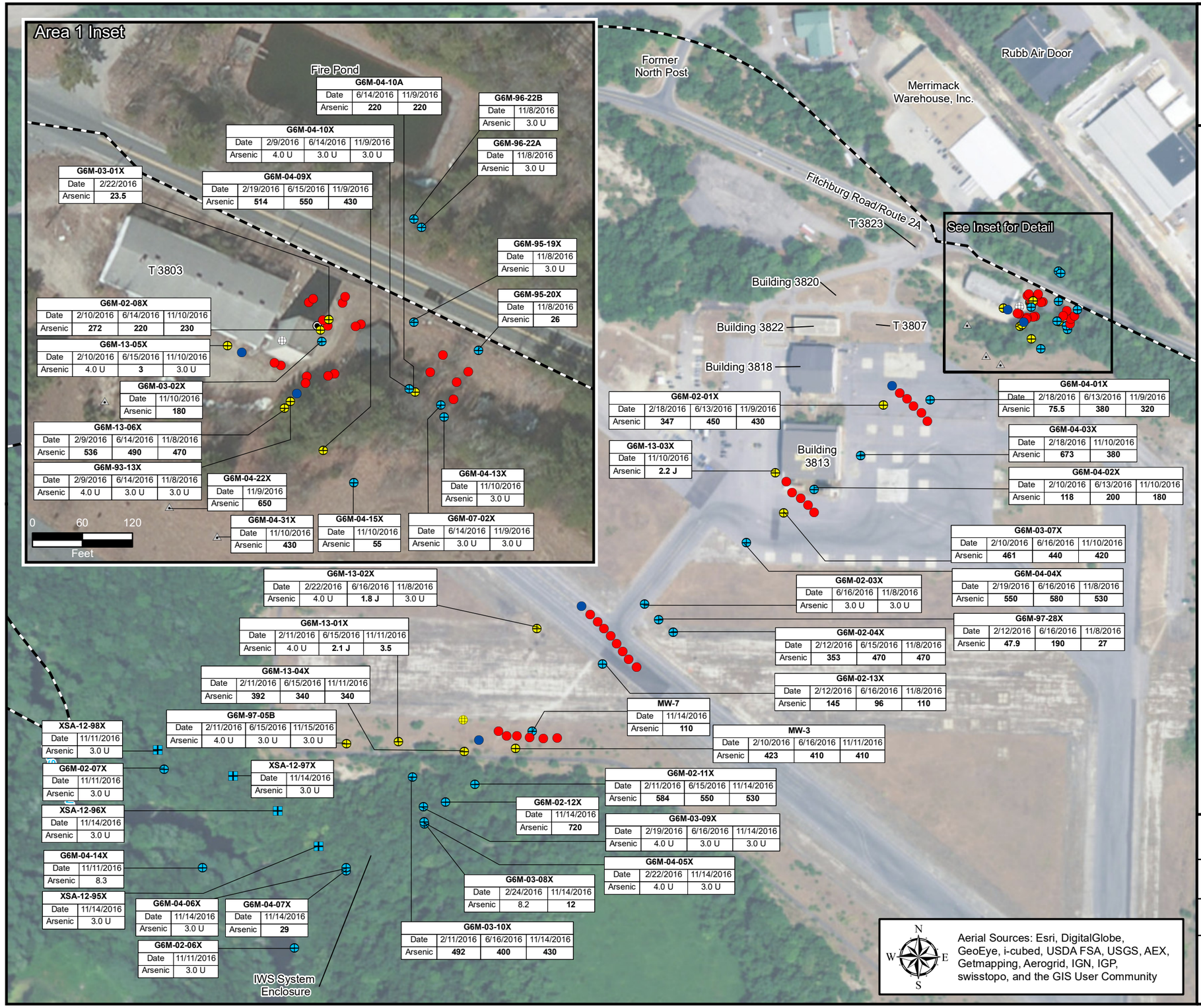


Figure 4.13
Dissolved Arsenic in Groundwater, AOC 50, 2016



Legend

- ERD LTM Well - Sampled Semi-Annually
- ERD LTM Well - Sampled Annually
- ERD LTM Well - Sampled Biennially
- Monitoring Well Converted to Injection Well
- MicroWell - Sampled Annually
- Injection Well
- Injection Well Installed 01/2014
- Dry Well
- Floor Drain
- G6M-92-11X Well/Gauge/Piezometer Identification
- Former Fort Devens Boundary

Notes:
All concentrations in micrograms per liter (µg/L)
J = Estimated Results
U = Non-detect
Arsenic Clean-Up Goal = 10 µg/L
BOLD values indicate Clean-Up Goal exceedances

ERD = Enhanced reductive dechlorination
IWS = In-well stripping
LTM = Long-term monitoring

2016 Annual Report
AOC 50

Former Fort Devens Army Installation and Sudbury Annex
Devens, Massachusetts

KOMAN Government Solutions, LLC
293 Boston Post Road West, Suite 100, Marlborough, MA 01752

0 150 300
Feet

Date: 10/13/2017

Figure 4.13

File: AR2016_AOC50_2016_Arsenic.mxd



TABLES

Table 3.1
Sample Preparation and Analysis Methods, Containers, Preservatives and Holding Times
AOC 50, Former Fort Devens Army Installation, Massachusetts

Parameter	Analytical Method	Contaminant of Concern	Sample Container	Preservative	Holding Times
ORGANIC					
VOCs	SW8260B	TCL	3 x 40-ml vials with teflon septa screw caps; no headspace	HCl to pH < 2; 4°+/- 2°C	14 Days
Dissolved Gases	RSK-175	MEE	3 x 40-mL VOA vials	HCl to pH < 2; 4°+/- 2°C	14 Days
METALS					
Dissolved Metals (field filtered)	SW6010B/ 6020A (As)	As, Fe, Mn	1 x 250-mL Polyethylene	HNO_3 to pH < 2; 4°+/- 2°C	180 Days
WET CHEMISTRY					
Alkalinity	SM2320B	None	1 x 250-mL Polyethylene	Store at 4°+/-2°C	14 Days
Nitrate/nitrite	E353.2	Nitrate/Nitrite (as N)	1 x 500-mL Amber Glass	H_2SO_4 to pH < 2; 4°+/- 2°C	28 Days
Sulfate	SW9056A	Sulfate	1 x 500-mL Polyethylene	Store at 4°+/-2°C	28 Days
Sulfide	SW9034	Sulfide	1 x 250-mL Polyethylene	Zinc acetate +NaOH to pH >9, 4 °C	7 Days
Total Organic Carbon	SW9060A	TOC	1 x 250-mL Amber Glass	H_2SO_4 to pH < 2; 4°+/- 2°C	28 Days

Notes:
TCL = Target Compound List
MEE = Methane, ethane, and ethene
As, Fe, Mn = arsenic, iron, manganese
TOC = Total Organic Carbon
HCL = hydrochloric acid
HNO_3 = nitric acid
H_2SO_4 = sulfuric acid
NaOH = sodium hydroxide

Table 3.2
Groundwater Level Data, February 2016
AOC 50, Former Fort Devens Army Installation, Massachusetts

Well ID	Date	DTW (ft, below TOC)	TOC Elevation (ft, amsl)	GW Elevation (ft, amsl)	Notes
G6M-02-01X	2/3/2016	56.03	263.24	207.21	--
G6M-02-08X	2/3/2016	14.17	225.03	210.86	--
G6M-02-11X	2/3/2016	61.77	264.73	202.96	--
G6M-03-01X	2/3/2016	15.87	225.89	210.02	--
G6M-03-07X	2/3/2016	58.24	263.46	205.22	--
G6M-03-08X	2/3/2016	56.17	259.40	203.23	--
G6M-03-09X	2/3/2016	57.01	259.69	202.68	--
G6M-03-10X	2/3/2016	63.97	266.61	202.64	--
G6M-04-01X	2/3/2016	54.22	261.95	207.73	--
G6M-04-02X	2/3/2016	61.86	267.35	205.49	--
G6M-04-03X	2/3/2016	59.04	265.09	206.05	--
G6M-04-04X	2/3/2016	59.67	263.46	203.79	--
G6M-04-05X	2/3/2016	56.43	258.93	202.50	--
G6M-04-09X	2/3/2016	33.87	243.46	209.59	--
G6M-04-10X	2/3/2016	14.67	225.02	210.35	--
G6M-13-01X	2/3/2016	64.93	267.65	202.72	--
G6M-13-04X	2/3/2016	64.07	267.11	203.04	--
G6M-13-05X	2/3/2016	16.03	225.80	209.77	--
G6M-13-06X	2/3/2016	15.89	225.17	209.28	--
G6M-93-13X	2/3/2016	15.34	225.63	210.29	--
G6M-97-05B	2/3/2016	66.7	268.88	202.18	--
MW-3	2/3/2016	63.76	266.55	202.79	--

NOTES:

DTW = Distance to Water
TOC = Top of casing
GW = Groundwater

ft = feet
asml = above mean sea level

Table 3.3
Groundwater Level Data, Spring 2016
AOC 50, Former Fort Devens Army Installation, Massachusetts

Well ID	Date	DTW (ft, below TOC)	TOC Elevation (ft, amsl)	GW Elevation (ft, amsl)	Notes
G6M-93-13X	5/18/2016	14.03	225.63	211.60	--
G6M-95-19X	5/18/2016	13.32	224.69	211.37	--
G6M-95-20X	5/18/2016	13.77	225.41	211.64	--
G6M-96-22A	5/18/2016	5.79	218.39	212.60	--
G6M-96-22B	5/18/2016	6.16	218.36	212.20	--
G6M-97-05B	5/18/2016	65.91	268.88	202.97	--
G6M-97-28X	5/18/2016	61.83	266.49	204.66	--
G6M-02-01X	5/18/2016	55.01	263.24	208.23	--
G6M-02-03X	5/18/2016	59.04	263.83	204.79	--
G6M-02-04X	5/18/2016	60.98	265.72	204.74	--
G6M-02-06X	5/18/2016	8.19	210.53	202.34	--
G6M-02-07X	5/18/2016	9.43	211.52	202.09	--
G6M-02-08X	5/18/2016	14.12	225.03	210.91	--
G6M-02-11X	5/18/2016	61.14	264.73	203.59	--
G6M-02-12X	5/18/2016	59.77	263.26	203.49	--
G6M-02-13X	5/18/2016	60.03	264.41	204.38	--
G6M-03-01X	5/18/2016	14.97	225.89	210.92	--
G6M-03-02X	5/18/2016	13.78	225.11	211.33	--
G6M-03-07X	5/18/2016	57.36	263.46	206.10	--
G6M-03-08X	5/18/2016	56.03	259.40	203.37	--
G6M-03-09X	5/18/2016	56.36	259.69	203.33	--
G6M-03-10X	5/18/2016	63.23	266.61	203.38	--
G6M-04-01X	5/18/2016	53.07	261.95	208.88	--
G6M-04-02X	5/18/2016	60.58	267.35	206.77	--
G6M-04-03X	5/18/2016	57.47	265.09	207.62	--
G6M-04-04X	5/18/2016	58.48	263.46	204.98	--
G6M-04-05X	5/18/2016	55.57	258.93	203.36	--
G6M-04-06X	5/18/2016	62.19	264.77	202.58	--
G6M-04-07X	5/18/2016	61.9	264.62	202.72	--
G6M-04-09X	5/18/2016	32.77	243.46	210.69	--
G6M-04-10X	5/18/2016	14.52	225.02	210.50	--
G6M-04-10A	5/18/2016	13.59	224.82	211.23	--
G6M-04-11X	5/18/2016	20.44	230.27	209.83	--
G6M-04-13X	5/18/2016	15.32	226.68	211.36	--
G6M-04-14X	5/18/2016	8.94	211.41	202.47	--
G6M-04-15X	5/18/2016	43.19	254.03	210.84	--
G6M-04-22X	5/18/2016	46.97	256.69	209.72	--
G6M-04-31X	5/18/2016	47.21	256.71	209.50	--
G6M-07-02X	5/18/2016	14.71	225.83	211.12	--
G6M-13-01X	5/18/2016	64.11	267.65	203.54	--
G6M-13-02X	5/18/2016	60.24	264.62	204.38	--
G6M-13-03X	5/18/2016	58.6	265.17	206.57	--
G6M-13-04X	5/18/2016	63.38	267.11	203.73	--
G6M-13-05X	5/18/2016	15.07	225.80	210.73	--
G6M-13-06X	5/18/2016	14.57	225.17	210.60	--
MW-3	5/18/2016	62.96	266.55	203.59	--
MW-7	5/18/2016	57.79	265.77	207.98	not used in contour map
XSA-12-95X	5/18/2016	68.19	270.43	202.24	--
XSA-12-96X	5/18/2016	68.62	270.79	202.17	--
XSA-12-97X	5/18/2016	69.34	271.58	202.24	--

NOTES:

DTW = Distance to Water
TOC = Top of casing
GW = Groundwater

ft = feet
asml = above mean sea level

Table 3.4
Groundwater Level Data, Fall 2016
AOC 50, Former Fort Devens Army Installation, Massachusetts

Well ID	Date	DTW (ft, below TOC)	TOC Elevation (ft, amsl)	GW Elevation (ft, amsl)	Notes
G6M-93-13X	11/7/2016	16.17	225.63	209.46	--
G6M-95-19X	11/7/2016	15.27	224.69	209.42	--
G6M-95-20X	11/7/2016	15.58	225.41	209.83	--
G6M-96-22A	11/7/2016	6.88	218.39	211.51	--
G6M-96-22B	11/7/2016	7.52	218.36	210.84	--
G6M-97-05B	11/7/2016	66.62	268.88	202.26	--
G6M-97-28X	11/7/2016	63.27	266.49	203.22	--
G6M-02-01X	11/7/2016	--	263.24	--	no access
G6M-02-03X	11/7/2016	60.46	263.83	203.37	--
G6M-02-04X	11/7/2016	62.38	265.72	203.34	--
G6M-02-06X	11/7/2016	8.53	210.53	202.00	--
G6M-02-07X	11/7/2016	9.69	211.52	201.83	--
G6M-02-08X	11/7/2016	15.73	225.03	209.30	--
G6M-02-11X	11/7/2016	62.08	264.73	202.65	--
G6M-02-12X	11/7/2016	60.71	263.26	202.55	--
G6M-02-13X	11/7/2016	66.64	264.41	197.77	not used in contour map
G6M-03-01X	11/7/2016	16.37	225.89	209.52	--
G6M-03-02X	11/7/2016	15.54	225.11	209.57	--
G6M-03-07X	11/7/2016	58.82	263.46	204.64	--
G6M-03-08X	11/7/2016	56.93	259.40	202.47	--
G6M-03-09X	11/7/2016	57.27	259.69	202.42	--
G6M-03-10X	11/7/2016	64.09	266.61	202.52	--
G6M-04-01X	11/7/2016	--	261.95	--	no access
G6M-04-02X	11/7/2016	62.36	267.35	204.99	--
G6M-04-06X	11/7/2016	62.77	264.77	202.00	--
G6M-04-07X	11/7/2016	62.57	264.62	202.05	--
G6M-04-09X	11/7/2016	34.96	243.46	208.50	--
G6M-04-10X	11/7/2016	16.01	225.02	209.01	--
G6M-04-10A	11/7/2016	15.37	224.82	209.45	--
G6M-04-11X	11/7/2016	22.14	230.27	208.13	--
G6M-04-13X	11/7/2016	17.37	226.68	209.31	--
G6M-04-14X	11/7/2016	9.34	211.41	202.07	--
G6M-04-15X	11/7/2016	45.08	254.03	208.95	--
G6M-04-22X	11/7/2016	48.78	256.69	207.91	--
G6M-04-31X	11/7/2016	48.66	256.71	208.05	--
G6M-07-02X	11/7/2016	16.38	225.83	209.45	--
G6M-13-01X	11/7/2016	65.03	267.65	202.62	--
G6M-13-02X	11/7/2016	61.50	264.62	203.12	--
G6M-13-03X	11/7/2016	60.36	265.17	204.81	--
G6M-13-04X	11/7/2016	64.37	267.11	202.74	--
G6M-13-05X	11/7/2016	16.84	225.80	208.96	--
G6M-13-06X	11/7/2016	16.58	225.17	208.59	--
MW-3	11/7/2016	63.77	266.55	202.78	--
MW-7	11/7/2016	62.96	265.77	202.81	--
XSA-12-97X	11/7/2016	73.72	271.58	197.86	not used in contour map

NOTES:

DTW = Distance to Water
TOC = Top of casing
GW = Groundwater

ft = feet
asml = above mean sea level

Table 4.1
Monitoring Wells Selected for Long Term Monitoring
2016 Sampling Events
AOC 50, Former Fort Devens Army Installation, Massachusetts

Location	Well ID	Sampling Rationale	Well Screen Interval (ft bgs)	Well Screen Elevation (ft, amsl)	Sample Parameters	Sample Frequency
North Plume	G6M-96-22A	Monitor groundwater elevations in the North Plume.	40-50	176.3-166.3	Water Level Only	Annual
	G6M-96-22B		65.5-70.5	150.9-145.9	Water Level Only	
Area 1	G6M-04-10A	Monitor COCs downgradient of ERD Injection Wells in the Source Area and provide pre- injection COC and Geochemistry data for ERD injection planning.	30-40	193.02-183.02	Full Suite	Semi-annual
	G6M-04-09X		55-65	188.46-178.46	VOCs, Metals, and TOC	
	G6M-13-06X		60-60	172.67-162.67	Full Suite	
	G6M-02-08X		60-70	163.2-153.2	Full Suite	
	G6M-93-13X		9-19	218.2-208.2	VOCs and Metals	
	G6M-13-05X		45-55	178.3-168.3	VOCs and Metals	
Area 1	G6M-07-02X	Monitor COC trends within the Source Area.	22.5-27.5	225.83	Full Suite	Annual
	G6M-04-10X		52-62	170.92-160.92	Full Suite	
	G6M-04-13X		30-40	194.71-184.71	VOCs and Metals	
	G6M-04-15X		70-80	182.45-172.45	VOCs and Metals	
	G6M-03-02X		28-43	173.2-158.2	Full Suite	
	G6M-95-19X		48-58	174.8-164.8	VOCs and Metals	
	G6M-95-20X		18-23	205.0-200	VOCs and Metals	
Area 1	G6M-04-11X	Monitor COC trends and provide plume delineation downgradient of the Cesspool and Dry Well areas.	35-45	193.42-183.42	VOCs	Biennial
	G6M-04-31X[1]		68-78	186.83-176.83	As only/Fall	
	G6M-04-22X[1]		74-84	180.75-170.75	As only/Fall	
Area 1	G6M-03-01X	Monitor COCs downgradient of ERD Injection Wells in the Source Area.	50-70	173.3-153.3	VOCs	Semi-annual
Area 2	G6M-02-01X	Monitor TOC and COCs downgradient of ERD Injection Wells in the Southwest Plume Provide pre-injection COC and Geochemistry data for ERD injection planning.	80-95	183.8-168.8	Full Suite	Semi-annual
Area 2	G6M-04-01X	Monitor COCs upgradient of ERD Injection Wells in the Southwest Plume.	82-92	180.49-170.49	VOCs and Metals	Annual
Area 2	G6M-04-03X	Monitor COCs downgradient of ERD Injection Wells in the Southwest Plume.	85-95	180.61-170.61	Full Suite	Annual
Area 3	G6M-03-07X	Monitor TOC and COCs downgradient of ERD Injection Wells in the Southwest Plume Provide pre-injection COC and Geochemistry data for ERD injection.	80-90	183.6-173.6	Full Suite	Semi-Annual
Area 3	G6M-04-02X	Monitor COCs upgradient of ERD Injection Wells in the Southwest Plume.	80-90	184.49-174.98	VOCs and Metals	Annual
	G6M-13-03X		80-90	185-17-175.17	VOCs and Metals	
Area 3	G6M-04-04X	Monitor COCs downgradient of ERD Injection Wells in the Southwest Plume.	94-104	159.67-169.67	Full Suite	

Table 4.1
Monitoring Wells Selected for Long Term Monitoring
2016 Sampling Events
AOC 50, Former Fort Devens Army Installation, Massachusetts

Location	Well ID	Sampling Rationale	Well Screen Interval (ft bgs)	Well Screen Elevation (ft, amsl)	Sample Parameters	Sample Frequency
Area 4	G6M-13-02X	Monitor VOCs on perimeter of Southwest Plume. Provide pre-injection COC and Geochemistry data for ERD injection planning.	115-125	149.62-139.62	VOCs and Metals	Semi-Annual
Area 4	G6M-02-13X	Monitor TOC and COCs downgradient of ERD Injection Wells in the Southwest Plume.	110-120	154.8-144.8	Full Suite	Annual
Area 4	G6M-02-04X	Monitor COCs upgradient of ERD Injection	90-105	173.6-158.6	VOCs and Metals	
	G6M-02-03X	Wells in the Southwest Plume.	90-105	174.4-159.4	Metals	
	G6M-97-28X		100-105	163.9-158.9	Metals	
Area 5	MW-3	Monitor TOC and COCs downgradient and adjacent to ERD Injection Wells in the Southwest	126-136	138.7-128.7	Full Suite	Semi-annual
	G6M-13-04X		125-135	139.61-129.61	Full Suite	
Area 5	G6M-02-12X	Monitor COCs downgradient of the ERD Injection Wellswithin the Area 5 IRZ.	125-135	138.4-128.4	Full Suite	Annual
	G6M-02-11X		125-135	140-130	Full Suite	
	G6M-03-10X		120-135	144.2-129.2	Full Suite	
Area 5	MW-7	Monitor COCs upgradient of ERD Injection Wells in the Southwest Plume	125-135	139.7-129.7	VOCs and Metals	Annual
Area 5	G6M-02-06X	Monitor VOCs along bank of Nashua River	55-65	153.5-143.5	VOCs and Metals	Annual
	G6M-02-07X		30-40	179.5-169.5	VOCs and Metals	
Nashua River	G6M-04-14X	Monitor VOCs and Metals on the south bank of the Nashua River.	80-90	131.56-121.56	VOCs and Metals	Annual
Area 5 (Sentry)	G6M-03-08X	Monitor COCs and metals downgradient of last ERD transect of Injection Wells	125-140	132.2-117.2	Full Suite	Annual
	G6M-03-09X		125-140	132.4-117.4	Full Suite	
Area 5 (IWS)	G6M-04-05X	Monitor COCs and metals downgradient of the ERD injection transects.	100-110	157.33-147.33	Full Suite	Annual
	G6M-04-07X		120-130	142.68-132.68	Full Suite	
	G6M-04-06X		95-105	168.07-158.07	Full Suite	
	XSA-12-95X[2]	Monitor Geochemistry and metals crossgradient and downgradient of ERD injection wells at Area 5.	120-130	147.43-137.43	VOCs and Metals	
	XSA-12-96X[2]		120-130	147.82-137.82	VOCs and Metals	
	XSA-12-97X[2]		119.75-129.75	148.96-138.96	VOCs and Metals	
	XSA-12-98X[2]		60-70	147.44-137.44	VOCs and Metals	
	G6M-97-05B		130-135	147.44-137.44	VOCs and Metals	Semi-annual
	G6M-13-01X		125-135	140.15-130.15	VOCs and Metals	

Notes:

"Metals" analyses includes dissolved arsenic, iron, and manganese.

"Full Suite" analyses includes VOCs, metals, nitrate/nitrite, sulfate, sulfide, alkalinity, methane, ethane, ethene, and total organic carbon.

Field parameters include pH, dissolved oxygen (DO), oxidation/reduction potential (ORP), specific conductivity, turbidty, and temperature.

1 - Annual fall LTM sampling of G6M-04-31X and G6M-04-22X for arsenic will be conducted when biennial laboratory samples are not collected.

2 - MicroWells® XSA-12-95X through XSA-12-98X were installed in Spring 2012.

ft bgs = feet below ground surface; ft asml = feet above mean sea level

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
North Plume	G6M-96-22A	10/16/2001	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.50	5.1	210	2	0	15.95
North Plume	G6M-96-22A	2/28/2002	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	0.10U	-	-	5.70	8.37	183.5	1.78	0.5	12.41
North Plume	G6M-96-22A	9/21/2004	2U	2U	2U	2U	1U	2U	-	-	-	5U	1U	54	-	-	-	-	-	5.75	6.73	187.9	1.885	1.59	11.59
North Plume	G6M-96-22A	9/29/2005	2U	2U	2U	2U	1U	2U	-	-	-	5U	1U	52	-	-	-	-	-	5.95	4.9	223.1	3.18	0.38	10.75
North Plume	G6M-96-22A	9/20/2006	2U	2U	2U	2U	1U	2U	-	-	-	5U	0.10U	42	-	-	-	-	-	5.68	4.78	176.3	1.814	1.85	11.03
North Plume	G6M-96-22A	9/12/2007	2U	2U	2U	2U	1U	2U	-	-	-	6U	0.1U	78	-	-	-	-	-	5.50	6.95	-101.1	1.404	5.0	12.38
North Plume	G6M-96-22A	10/17/2008	0.55	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	8U	0.2U	2,240	-	-	-	-	-	5.57	1.41	123.8	1.378	1.8	10.07
North Plume	G6M-96-22A	10/16/2009	0.25J	29	0.27J	0.5U	0.5U	0.5U	-	-	-	8U	0.2U	7,120	-	-	-	-	-	5.91	0.25	228.5	2.288	0	11.31
North Plume	G6M-96-22A	10/7/2010	0.22J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	7,670	-	-	-	-	-	5.72	0.21	141.2	3.623	0	9.31
North Plume	G6M-96-22A	10/7/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	6,860	-	-	-	-	-	5.6	0.18	59.9	2.144	0	10.13
North Plume	G6M-96-22A	10/15/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	12,400	-	-	-	-	-	5.82	0.36	110.5	2.915	0	14.55
North Plume	G6M-96-22A	10/18/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	6,010	-	-	-	-	-	6.05	0.58	177.1	1.524	0	11.1
North Plume	G6M-96-22A	11/4/2014	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5U	0.019U	3,160	-	-	-	-	-	6.12	3.75	203.7	0.774	0.86	-
North Plume	G6M-96-22A	10/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.10 U	3,810	-	-	-	-	-	6.11	2.77	122.9	1.333	0.21	-
North Plume	G6M-96-22A	11/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05 U	2,300						4.64	3.73	129.4	0.983	0.75	11.89
North Plume	G6M-96-22B	10/19/2001	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.76	6.95	176	2.09	0.6	13.13
North Plume	G6M-96-22B	2/28/2002	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	0.10U	-	-	6.35	7.83	198.5	2.002	1.5	12.89
North Plume	G6M-96-22B	1/31/2003	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.48
North Plume	G6M-96-22B	9/21/2004	2U	2U	2U	2U	1U	2U	-	-	-	5U	1U	44	-	-	-	-	-	5.83	6.15	193.9	1.941	2.76	13.86
North Plume	G6M-96-22B	9/29/2005	2U	2U	2U	2U	1U	2U	-	-	-	5U	1U	48	-	-	-	-	-	6.12	5.57	187.7	3.02	1.43	11.15
North Plume	G6M-96-22B	9/20/2006	2U	2U	2U	2U	1U	2U	-	-	-	5U	0.10U	44	-	-	-	-	-	5.53	6.51	179	2.183	0.67	10.19
North Plume	G6M-96-22B	9/12/2007	2U	2U	2U	2U	1U	2U	-	-	-	6U	0.1U	40	-	-	-	-	-	5.73	16.11	-112.1	2.618	13.9	11.86
North Plume	G6M-96-22B	10/17/2008	0.91	0.5U	0.24J	0.5U	0.5U	0.5U	-	-	-	8U	0.2U	67.3	-	-	-	-	-	5.40	1.77	121.3	1.02	0.85	11.56
North Plume	G6M-96-22B	10/16/2009	0.3J	23	0.32J	0.5U	0.5U	0.5U	-	-	-	8U	0.135U	25,500	-	-	-	-	-	6.08	0.31	209.1	1.683	0.04	11.52
North Plume	G6M-96-22B	10/7/2010	0.25J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	3.3J	0.1U	14,600	-	-	-	-	-	6.00	0.48	115.1	2.295	0.49	12.85
North Plume	G6M-96-22B	10/7/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	9,320	-	-	-	-	-	5.98	0.16	30.7	1.899	0	11.27
North Plume	G6M-96-22B	10/15/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.120U	9,980	-	-	-	-	-	6.14	0.25	16.4	2.358	1.17	12.41
North Plume	G6M-96-22B	10/18/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	3.2J	0.1U	14,100	-	-	-	-	-	6.17	0.81	142	2.288	0.31	13.79
North Plume	G6M-96-22B	11/4/2014	0.21J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	4.6J	0.017U	7,180	-	-	-	-	-	6.58	0.45	137.4	1.087	3.55	17.20
North Plume	G6M-96-22B	10/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.10 U	5,610	-	-	-	-	-	6.53	1.34	93.5	1.457	2.18	15.00
North Plume	G6M-96-22B	11/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05 U	6,500						5.96	2.66	174	1.362	2.49	11.2
North Plume	G6M-96-24B	10/16/2001	18	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.37	0	81	0.42	19	14.44
North Plume	G6M-96-24B	3/1/2002	11	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.35	-6.27	106.7	0.43	2.8	17.01
North Plume	G6M-96-24B	1/31/2003	7.5	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.61
North Plume	G6M-96-24B	1/12/2004	11	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.41
North Plume	G6M-96-24B	9/24/2004	13	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.17	0.2	152.2	0.422	0.44	19.31
North Plume	G6M-96-24B	12/17/2004	8.1	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.05	0.46	259.6	0.384	2.43	15.12
North Plume	G6M-96-24B	4/13/2005	8.2	1U	2.8	1U	1U	1U	-	-	-	-	-	-	-	-	-	-	-	5.32	0.2	216.6	0.429	2.49	10.84
North Plume	G6M-96-24B	7/6/2005	7.6	2U	3.0	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.69	1.34	242.8	0.77	0.02	14.12
North Plume	G6M-96-24B	9/30/2005	7.2	2U	3.6	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.77	0.29	198.3	1.022	7.7	16.26
North Plume	G6M-96-24B	12/15/2005	7.4	2U	3.1	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.97	0.14	242.8	0.9	2.1	19.14
North Plume	G6M-96-24B	3/23/2006	4.2	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.99	0.23	404.5	0.458	1.31	12.78
North Plume	G6M-96-24B	6/23/2006	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	4.62	0.85	526.9	0.443	0.88	15.18
North Plume	G6M-96-24B	9/22/2006	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.93	0.3	141	0.407	4.23	16.89
North Plume	G6M-96-24B	12/14/2006	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.54	0.17	74.8	0.56	0.2	16.2
North Plume	G6M-96-24B	3/30/2007	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.90	0.5	-43.6	0.62	0.15	12.58
North Plume	G6M-96-24B	6/13/2007	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.10	0.16	138.9	0.727	220.2	12.48
North Plume	G6M-96-24B	9/13/2007	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.05	3.93	-95.7	0.689	9.9	11.3
North Plume	G6M-96-24B	12/12/2007	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.33	0.3	106.2	0.802	0.8	14
North Plume	G6M-96-24B	10/7/2008	0.4J	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	15	8.0U	0.352U	448	10U	46	0.13U	10	0.03UJ	6.04	0.54	92.4	0.51	30	14.4
North Plume	G6M-96-24B	1/22/2009	1.4U	2.3U	1.8U	1.3U	1.2U	1.3U	1.2U	1.5U	4.2	8.0U	226J	315	10UJ	32	0.13U	9.3	0.03U	6.16	0.45	149.6	0.479	65	13.4

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
North Plume	G6M-96-24B	5/11/2009	0.29J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	5.87	0.20	90.8	0.304	23.1	12
Area 1	G6M-03-01X	10/21/2009	380	65	670	25U	25U	25U	-	-	-	-	-	-	-	-	-	-	-	6.52	0.88	-153.5	0.559	7.25	11.99
Area 1	G6M-03-01X	10/16/2012	200	60	200	10U	10U	550	-	-	-	-	-	-	-	-	-	-	-	6.51	0.95	-69.4	1.776	2.28	20.17
Area 1	G6M-03-01X	6/12/2014	0.29J	37	19	0.59	0.51	68	-	-	-	-	-	-	-	-	-	-	-	6.52	1.95	11.7	0.812	13.1	16.73
Area 1	G6M-03-01X	10/31/2014	300	310	98	0.5U	0.5U	34	-	-	-	-	-	-	-	-	-	-	-	6.40	0.75	-106.6	1.263	8.57	9.6
Area 1	G6M-03-01X	6/18/2015	0.65 J	37	53	0.50 U	0.55 J	18.8	-	-	-	-	-	-	-	-	-	-	-	6.36	1.82	19.9	1.093	22.9	13.63
Area 1	G6M-03-01X	9/10/2015	103	67	65	2.40	1.40	62.8	10 U	68.9	8,640	46.0	41.8	7,080	5.30	-	0.076 J	10.30	2.0 U	6.00	0.61	-55.0	1.881	4.38	12.57
Area 1	G6M-03-01X	10/13/2015	126	190	141	5.20	1.50	57.5	-	-	-	-	-	-	-	-	-	-	-	6.27	0.28	-83.5	2.096	3.61	13.25
Area 1	G6M-03-01X	2/22/2016	1.0 U	81	87	1.9	1.0 U	50.6	10 U	95.5	16,300	23.5	20.0	6,330	6.4	144	0.11 U	3.4 J	2.0 U	6.62	2.11	33.6	1.162	4.98	8.46
Area 1	G6M-03-01X	6/15/2016	9.6	180	180	8.8	1.4	99	-	-	-	-	-	-	-	-	-	-	-	5.84	2.81	-48.3	1.726	5.61	12.87
Area 1	G6M-03-01X	11/10/2016	1.0 U	130	180	4.0	1.4	140	-	-	-	-	-	-	-	-	-	-	-	6.25	0.47	-84.7	1.097	2.4	8.21
Area 1	G6M-04-09X	9/24/2004	7,400	4.2	9.0	2U	1U	2U	-	-	-	5U	1UJ	160	-	-	-	-	-	5.15	3.84	637.6	0.495	0.82	9.54
Area 1	G6M-04-09X	9/28/2005	3,200	5U	5U	5U	5U	5U	-	-	-	5U	1U	37	-	-	-	-	-	5.92	3.41	678.4	0.169	2.07	10.21
Area 1	G6M-04-09X	9/21/2006	190	2U	2U	2U	1U	2U	-	-	-	5U	0.10U	50	-	-	-	-	-	5.83	8.18	215.6	0.102	5.51	15.4
Area 1	G6M-04-09X	9/12/2007	440	22	31	2U	1U	2U	-	-	-	5U	0.83	390	-	-	-	-	-	6.22	2.18	49.7	0.179	4.3	14
Area 1	G6M-04-09X	10/17/2008	4,000	330	410	50U	50U	44	-	-	-	63.4	13.3	5,700	-	-	-	-	-	6.23	0.66	-36.2	0.497	9.2	10.50
Area 1	G6M-04-09X	10/21/2009	1,600	210	210	50U	50U	51	-	-	-	70.8	13	3,960	-	-	-	-	-	5.80	0.58	33.3	0.376	4.53	12.35
Area 1	G6M-04-09X	10/8/2010	1,000	420	990	0.79	0.89	7.8	-	-	-	69.9	14.3	15,300	-	-	-	-	-	6.17	0.99	-20.8	0.388	1.58	11.9
Area 1	G6M-04-09X	6/9/2011	260	140	950	0.56	1.7	200	-	-	-	203	43.3	9,820	-	-	-	-	-	6.14	0.35	-49.3	0.562	0.03	11.27
Area 1	G6M-04-09X	10/7/2011	20U	23	910	20U	20U	240	-	-	-	291	107	50,900	45	-	-	-	-	6.45	0.14	-105.8	0.626	2	10.1
Area 1	G6M-04-09X	5/9/2012	970	250	510	40U	40U	340	-	-	-	344	76.7	17,800	9.1J	-	-	-	-	6.66	0.08	-85.2	0.495	12.5	10.11
Area 1	G6M-04-09X	10/16/2012	260	70	100	20U	20U	350	-	-	-	225	41.7	13,800	3.0J	-	-	-	-	6.24	0.31	-79.9	0.289	10.3	10.75
Area 1	G6M-04-09X	5/22/2013	5.9	3.6	5.9	0.81	0.5U	9.9	-	-	-	321	135	30,800	11	-	-	-	-	6.29	0.15	-84.7	0.812	4.21	8.74
Area 1	G6M-04-09X	10/22/2013	0.5U	0.5U	52	0.53	0.5U	38	-	-	-	551	303	27,100	34	-	-	-	-	6.64	3.3	-130.9	0.917	18.5	10
Area 1	G6M-04-09X	6/12/2014	1.4	0.75	12	0.6	0.5U	26	-	-	-	607	315	19,200	29	-	-	-	-	6.37	0.26	-82.0	1.392	3.64	10.42
Area 1	G6M-04-09X	11/3/2014	0.21J	0.5U	0.43J	0.21J	0.5U	0.83	-	-	-	600	339	16,500	31	-	-	-	-	6.59	0.05	-129.2	1.03	21.8	10.47
Area 1	G6M-04-09X	6/17/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	-	-	-	351	159	3,560	14.10	-	-	-	-	6.33	0.64	-65.0	1.384	96	14.03
Area 1	G6M-04-09X	10/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	577	241	5,600	16.4	-	-	-	-	6.61	0.13	134.9	1.604	15.3	10.75
Area 1	G6M-04-09X	2/19/2016	1.0 U	1.0 U	0.55 J	1.0 U	1.0 U	1.0 U	10 U	10 U	16,700	514	202	3,600	13.4	439	0.37	4.5 J	2.0 U	6.74	1.09	-95.7	1.280	12.42	9.9
Area 1	G6M-04-09X	6/15/2016	1.0 U	0.85 J	1.0	1.0 U	1.0 U	0.61 J	-	-	-	550	200	3,100	14.0	-	-	-	-	6.38	2.56	-87.6	2.118	11.48	11.23
Area 1	G6M-04-09X	11/9/2016	1.0 U	1.0 U	0.67 J	1.0 U	1.0 U	0.56 J	-	-	-	430	160	2,600	-	-	-	-	-	7.32	0.52	-139.7	1.277	21.7	8.53
Area 1	G6M-04-11X	9/20/2004	8.5	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.54	3.42	374.7	0.782	16.8	14.39
Area 1	G6M-04-11X	9/26/2005	7.8	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.96	5.14	94.6	0.39	8.7	10.63
Area 1	G6M-04-11X	9/20/2006	4.0	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.24	6	129	0.38	5.99	14.35
Area 1	G6M-04-11X	9/11/2007	2.1	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.87	6.59	46.5	0.38	14.8	11.82
Area 1	G6M-04-11X	10/17/2008	1.4	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.53	5.62	98.1	0.302	3.5	9.54
Area 1	G6M-04-11X	10/16/2009	1.1	53	1U	1U	1U	1U	-	-	-	-	-	-	-	-	-	-	-	6.46	7.04	176	0.225	4.2	9.76
Area 1	G6M-04-11X	10/8/2010	0.41J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.71	6.95	152.6	0.247	3.15	9.59
Area 1	G6M-04-11X	10/6/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.77	2.5	87.7	0.219	4.0	10.61
Area 1	G6M-04-11X	10/16/2012	0.62	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.36	9.4	161.8	0.224	0	10.14
Area 1	G6M-04-11X	10/31/2014	0.54	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.88	7.12	167.7	0.163	0.91	10.43
Area 1	G6M-04-11X	11/10/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-	-	-	-	-	-	6.65	6.67	25.6	0.167	1.18	10.28
Area 1	G6M-04-12X	9/20/2004	310	7.5	56	2U	1U	2U	-	-	-	5U	1.0	44	-	-	-	-	-	11.03	0.86	102.6	2.003	5.22	9.63
Area 1	G6M-04-12X	9/26/2005	250	6.8	49	2U	1U	2U	-	-	-	15	1U	360	-	-	-	-	-	8.41	1.05	234.2	1.961	1.65	-
Area 1	G6M-04-12X	9/18/2006	470	9.4	60	2U	1U	2U	-	-	-	6.5	0.10U	550	-	-	-	-	-	7.21	3.22	253.5	1.764	7.11	12.69
Area 1	G6M-04-12X	9/10/2007	350	11	50	2U	1U	2U	-	-	-	2U	0.1U	580	-	-	-	-	-	6.84	1.73	90.2	2.613	29.8	12.19
Area 1	G6M-04-12X	10/16/2008	360	7.7J	35	10U	10U	10U	-	-	-	3.1J	0.2U	360	-	-	-	-	-	7.23	1.45	91.2	2.623	2.00	12.44
Area 1	G6M-04-12X	10/19/2009	170	22U	28	10U	10U	10U	-	-	-	2.3J	0.2U	308	-	-	-	-	-	6.72	1.8	66.7	2.543	5.91	11.5
Area 1	G6M-04-12X	10/8/2010	100	4.4	22	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	336	-	-	-	-	-	6.57	1.75	208.0	3.632	2.35	10.62
Area 1	G6M-04-12X	6/9/2011	180	3.9	19	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	209	-	-	-	-	-	7.26	1.38	25.6	2.816	9	10.24
Area 1	G6M-04-12X	10/4/2011	280	4.6	27	4.0U	4.0U	4.0U	-	-	-	5U	0.1U	200	-	-	-	-	-	6.62	1.06	63.8	2.332	2.44	13.35

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1	G6M-04-12X	5/9/2012	160	5.0U	12	5.0U	5.0U	5.0U	-	-	-	4.1J	0.1U	155	-	-	-	-	-	6.7	1.34	85.1	2.68	1.42	12.32
Area 1	G6M-04-12X	10/16/2012	120	5.0U	14	5.0U	5.0U	5.0U	-	-	-	5U	0.1U	156	-	-	-	-	-	6.6	2.11	62.5	3.799	2.03	12.96
Area 1	G6M-04-12X	5/22/2013	220	3.4J	18	5.0U	5.0U	5.0U	-	-	-	3.8J	0.1U	92.5	-	-	-	-	-	6.55	0.87	120.8	2.927	2.58	12.5
Area 1	G6M-04-12X	10/22/2013	190	3.7J	23	4.0U	4.0U	4.0U	-	-	-	5U	0.1U	106	-	-	-	-	-	6.58	1.6	133.7	2.231	4.88	12.27
Area 1	G6M-04-12X	6/10/2014	130	2.7	13	0.50U	0.50U	0.50U	-	-	-	5U	0.1U	75	-	-	-	-	-	6.59	0.84	178.9	2.675	13.04	14.4
Area 1	G6M-04-15X	9/21/2004	5.2	2U	5.3	2U	1U	2U	-	-	-	5U	4.8	8,100	-	-	-	-	-	5.26	0.82	410	2.64	0.23	11.25
Area 1	G6M-04-15X	9/28/2005	9.1	2U	6.4	2U	1U	2U	-	-	-	33	1.8	4,400	-	-	-	-	-	5.11	0.39	248.1	0.674	0.29	11.78
Area 1	G6M-04-15X	9/20/2006	3.5	2U	5.2	2U	1U	2U	-	-	-	20	2.0	4,300	-	-	-	-	-	4.60	1.07	-100.3	1.555	0.95	11.07
Area 1	G6M-04-15X	9/11/2007	2.7	2U	2U	2U	1U	2U	-	-	-	18	0.75	2,100	-	-	-	-	-	6.21	3.21	85.1	1.353	3.5	11.29
Area 1	G6M-04-15X	10/17/2008	4.8	1.0	2.3	0.5U	0.5U	0.5U	-	-	-	36.3	3.01	3,010	-	-	-	-	-	6.34	1.5	-8.1	0.910	4.0	11.1
Area 1	G6M-04-15X	10/19/2009	1.9	14	3.2	0.5U	0.5U	0.5U	-	-	-	48.9	4.8	3,130	-	-	-	-	-	6.19	0.31	24.4	0.799	4.68	11.1
Area 1	G6M-04-15X	10/8/2010	0.65	0.34J	3.2	0.5U	0.5U	0.5U	-	-	-	59.1	4.76	2,900	-	-	-	-	-	6.14	0.3	3.2	0.704	1.34	10.85
Area 1	G6M-04-15X	10/6/2011	0.52	0.5U	3.7	0.5U	0.5U	0.5U	-	-	-	55.5	3.75	3,470	-	-	-	-	-	6.12	0.05	37.3	0.446	4.89	19.25
Area 1	G6M-04-15X	10/16/2012	1.0	0.5U	3.9	0.5U	0.5U	0.5U	-	-	-	111	11.1	4,300	-	-	-	-	-	6.15	0.49	-48.6	0.76	1.08	14.33
Area 1	G6M-04-15X	10/18/2013	0.97	0.27J	2.2	0.5U	0.5U	0.5U	-	-	-	112	14.5	3,530	-	-	-	-	-	5.68	0.24	14.1	0.838	1.33	18.79
Area 1	G6M-04-15X	11/4/2014	1.60	0.29J	2.2	0.5U	0.5U	0.5U	-	-	-	135	33.4	14,000	-	-	-	-	-	6.08	0.14	-16	1.937	3.61	12.98
Area 1	G6M-04-15X	10/14/2015	0.76 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	103	45.0	21,200	-	-	-	-	-	5.93	0.69	-38.2	4.011	1.24	13.62
Area 1	G6M-04-15X	11/10/2016	1.0 U	0.95 J	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	55	16	14,000	-	-	-	-	-	4.64	0.5	-21.4	2.929	4.6	13.9
Area 1	G6M-04-22X	9/21/2004	900	24	110	2U	1U	2U	-	-	-	5U	1U	990	-	-	-	-	-	6.30	4.78	192.2	0.897	19	13.17
Area 1	G6M-04-22X	9/28/2005	210	6.8	45	2.5	1U	2U	-	-	-	5U	1U	120	-	-	-	-	-	5.52	6.13	391.3	0.757	21	14.07
Area 1	G6M-04-22X	9/20/2006	200	8.7	54	2U	1U	2U	-	-	-	5U	0.43	4,500	-	-	-	-	-	5.68	2.8	197.8	1.048	6.98	15.37
Area 1	G6M-04-22X	9/11/2007	95	12	75	2U	1U	9.4	-	-	-	390	250	44,000	-	-	-	-	-	6.92	0.28	-160.8	2.25	20.7	13.43
Area 1	G6M-04-22X	10/17/2008	18	3.7	53	0.44J	1U	26	-	-	-	439	421	15,900	-	-	-	-	-	6.34	0.28	-106.1	2.104	18	12.88
Area 1	G6M-04-22X	10/19/2009	7.2	9.7	16	0.5U	0.5U	4.9	-	-	-	320	355	9,360	-	-	-	-	-	6.26	1.27	-48.7	2.181	290	14.32
Area 1	G6M-04-22X	10/8/2010	0.39J	2.2	7.1	0.23J	0.5U	4.7	-	-	-	522	210	3,020	-	-	-	-	-	6.32	2.51	-59.7	1.691	22.2	14.77
Area 1	G6M-04-22X	10/6/2011	0.5U	0.5U	13	0.5U	0.5U	7.5	-	-	-	534	232	15,800	-	-	-	-	-	6.25	0.39	-53.4	0.016	6.47	12.2
Area 1	G6M-04-22X	10/12/2012	0.5U	0.5U	5.7	0.5U	0.5U	6.6	-	-	-	657	162	9,080	-	-	-	-	-	6.41	0.6	-66.8	1.701	8.66	12.39
Area 1	G6M-04-22X	10/18/2013	-	-	-	-	-	-	-	-	-	767	-	-	-	-	-	-	-	6.12	0.29	-68.7	1.113	14.3	12.78
Area 1	G6M-04-22X	11/4/2014	0.5U	0.5U	2.0	0.72	0.5U	4.6	-	-	-	667	150	1,600	-	-	-	-	-	6.39	0.2	-64	0.951	42.9	13.26
Area 1	G6M-04-22X	10/13/2015	-	-	-	-	-	-	-	-	-	223	-	-	-	-	-	-	-	-	-	-	-	-	-
Area 1	G6M-04-22X	11/9/2016	2.5	1.4	1.2	1.0 U	1.0 U	1.0 U	-	-	-	650	150	960	-	-	-	-	-	6.92	1.22	-73.1	0.74	55.5	7.02
Area 1	G6M-04-31X	9/21/2004	1,600	2U	4.2	2U	1U	2U	-	-	-	5U	1U	190	-	-	-	-	-	5.69	5.1	211	1	2.99	13.27
Area 1	G6M-04-31X	9/28/2005	1,900	5U	5.2	5U	5U	5U	-	-	-	5U	1U	35	-	-	-	-	-	5.63	3.66	305.4	0.388	2.2	9.28
Area 1	G6M-04-31X	9/20/2006	600	6.1	2.5	2U	1U	2U	-	-	-	5U	0.10U	15U	-	-	-	-	-	6.52	0.28	-108.5	0.729	3.56	9.22
Area 1	G6M-04-31X	9/11/2007	340	260	330	2.8	1.3	2U	-	-	-	5U	0.1	890	-	-	-	-	-	6.38	5.61	101.6	0.217	6.9	10.90
Area 1	G6M-04-31X	10/17/2008	110	72	340	20U	20U	730	-	-	-	103	68.4	9,710	-	-	-	-	-	6.43	2	-72.7	0.636	9.0	9.42
Area 1	G6M-04-31X	10/21/2009	86	11	270	10U	10U	560	-	-	-	311	181	16,900	-	-	-	-	-	5.82	1.96	-102.01	0.626	6.23	10.26
Area 1	G6M-04-31X	10/8/2010	3.1	1.1	7.4	0.30J	0.5U	31	-	-	-	428	127	9,620	-	-	-	-	-	6.41	0.93	-107.6	0.728	1.21	9.54
Area 1	G6M-04-31X	10/6/2011	18	5.3	38	0.5U	0.5U	37	-	-	-	635	223	15,800	-	-	-	-	-	6.62	0.07	-112.4	1.333	2.89	11.23
Area 1	G6M-04-31X	10/12/2012	25	31	61	2.0U	2.0U	72	-	-	-	556	181	8,940	-	-	-	-	-	6.62	0.43	-104.6	1.193	4.58	11.36
Area 1	G6M-04-31X	10/18/2013	-	-	-	-	-	-	-	-	-	498	-	-	-	-	-	-	-	6.36	1.71	-87.6	1.656	1.13	10.83
Area 1	G6M-04-31X	11/4/2014	0.5U	0.51	6.9	0.23J	0.5U	3.4	-	-	-	468	121	9,690	-	-	-	-	-	6.51	0.12	-95.5	1.775	9.01	11.58
Area 1	G6M-04-31X	10/13/2015	-	-	-	-	-	-	-	-	-	420	-	-	-	-	-	-	-	5.93	0.84	-144.3	3.98	9.80	8.97
Area 1	G6M-04-31X	11/10/2016	1.0 U	0.95 J	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	430	-	-	-	-	-	-	-	6.15	0.89	-95.8	2.49	2.95	14.11
Area 1	G6M-13-05X	1/30/2014	250	10U	16	10U	10U	10U	-	-	-	-	-	-	-	-	-	-	-	8.63	0.37	-86.6	1.112	3.09	11.35
Area 1	G6M-13-05X	6/10/2014	1,200	12	70	0.40J	0.54	0.50U	-	-	-	10.7	0.299 J	556	-	-	-	-	-	7.65	0.46	-107	0.515	8.19	11.34
Area 1	G6M-13-05X	11/4/2014	1,700	13J	77	32U	32U	32U	-	-	-	6.6	0.233	565	-	-	-	-	-	7.43	0.47	-93.6	0.417	9.73	18.31
Area 1	G6M-13-05X	6/16/2015	1,520	12	62	0.50 U	0.50 U	0.50 U	-	-	-	5.20	0.05 U	229	-	-	-	-	-	7.04	1.63	57.0	0.398	33.2	12.71
Area 1	G6M-13-05X	10/13/2015	1,120	11	63	1.0 U	1.0 U	1.0 U	-	-	-	2.3 J	0.10 U	235	-	-	-	-	-	7.22	0.99	59.5	0.525	2.14	11.23
Area 1	G6M-13-05X	2/10/2016	770	5.2 J	24	10 U	10 U	10 U	10 U	10 U	10 U	4.0 U	0.10 U	199	1.0 U	25	1.4	10 U	2.0 U	6.2	4.39	244.6	0.523	20.2	9.67
Area 1	G6M-13-05X	6/15/2016	1,200	9.6	50	10 U	10 U	10 U	-	-	-	3.0	0.022 J	130	-	-	-	-	-	6.41	0.89	55.2	0.582	2.59	12.33

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1	G6M-13-05X	11/10/2016	830	7.2 J	31	10 U	10 U	10 U	-	-	-	3.0 U	0.05 U	54	-	-	-	-	-	6.57	2.63	20.9	0.404	2.47	9.16
Area 1	G6M-95-20X	10/16/2001	4.4	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.90	7.2	212	0.27	4.1	11.2
Area 1	G6M-95-20X	2/25/2002	5.0	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.59	12.37	155.7	0.171	7.67	11.53
Area 1	G6M-95-20X	2/27/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	10.42
Area 1	G6M-95-20X	9/21/2004	2.8	2U	2U	2U	1U	2U	-	-	-	5U	1U	15U	-	-	-	-	-	5.76	8.88	205.5	0.544	0	11.25
Area 1	G6M-95-20X	9/26/2005	2.3	2U	2U	2U	1U	2U	-	-	-	5U	1U	15U	-	-	-	-	-	5.62	8.75	328.7	0.741	0.95	11.42
Area 1	G6M-95-20X	9/19/2006	2.2	2U	42	2U	1U	2U	-	-	-	71	350	39,000	-	-	-	-	-	6.31	0.76	-108	2.715	4.19	12.17
Area 1	G6M-95-20X	9/12/2007	2U	2U	11	2U	1U	2U	-	-	-	160	110	15,000	-	-	-	-	-	6.49	3.19	-114.3	0.74	73.7	12.6
Area 1	G6M-95-20X	10/15/2008	0.38J	0.2J	2.5	0.5U	0.5U	0.5U	-	-	-	97.2	45.6	5,250	-	-	-	-	-	6.45	0.49	-104.4	0.511	4.2	9.54
Area 1	G6M-95-20X	10/16/2009	0.5U	37J	3.1	0.5U	0.5U	0.5U	-	-	-	166	206	7,660	-	-	-	-	-	6.61	0.29	-81.4	0.898	8.81	13.42
Area 1	G6M-95-20X	10/6/2010	0.5U	0.5U	5.1	0.5U	0.5U	1.8	-	-	-	149	546	12,200	-	-	-	-	-	6.49	0.11	-124.3	2.047	36.6	14.15
Area 1	G6M-95-20X	10/7/2011	0.5U	0.5U	1.5	0.5U	0.5U	0.5U	-	-	-	108	57.8	3,610	-	-	-	-	-	6.59	0.10	-112.9	0.234	4.0	14.3
Area 1	G6M-95-20X	10/15/2012	0.5U	0.5U	1.0	0.5U	0.5U	0.5U	-	-	-	112	67.9	3,140	-	-	-	-	-	6.58	0.60	-98.2	0.526	4.83	12.73
Area 1	G6M-95-20X	10/18/2013	0.5U	0.29J	0.59	0.5U	0.5U	0.5U	-	-	-	79.9	30	1,760	-	-	-	-	-	6.56	0.18	-79.5	0.41	3.37	12.63
Area 1	G6M-95-20X	10/31/2014	2.7	0.53	0.5U	0.5U	0.5U	0.5U	-	-	-	7.9	20.3	1,160	-	-	-	-	-	6.59	0.16	-105.1	0.688	4.03	10.88
Area 1	G6M-95-20X	10/13/2015	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	32.2	110	614	-	-	-	-	-	6.61	0.55	-55	0.722	2.86	12.15
Area 1	G6M-95-20X	11/8/2016	0.82 J	1.0	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	26	14	940	-	-	-	-	-	4.99	0.54	-5.6	0.799	7.04	13.62
Area 1	G6M-96-13B	10/15/2001	3,600	39	220	12	1U	1.1J	-	-	-	-	-	-	-	-	-	-	-	6.10	2.9	219	0.12	6.8	12.55
Area 1	G6M-96-13B	2/25/2002	5,200	34	200	1.4J	1U	1.5J	-	-	-	-	-	-	-	-	-	-	-	6.40	3.85	181.5	1.142	6.59	13.56
Area 1	G6M-96-13B	1/31/2003	3,800	31	190	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.13
Area 1	G6M-96-13B	9/20/2004	4,500	35	210	2U	1U	2.1	0.022	0.12	1.7	5U	1	15U	1U	38	5.4J	19	2.0	6.30	3.57	186.4	1.035	0.5	11.41
Area 1	G6M-96-13B	12/13/2004	2,500	24	150	2U	1U	2U	0.05	0.025	24	5U	1U	23	5U	35	5.0	31M	2U	6.26	2.57	316.5	0.787	2.68	12.51
Area 1	G6M-96-13B	3/28/2005	4,500	200U	180J	200U	200U	200U	0.17	0.22	37	5U	2.6M	1,600	5.7	47	0.46	17	2UJ	6.24	0.87	21.2	0.943	0.68	10.08
Area 1	G6M-96-13B	8/10/2005	2,800	190	1,500	3.6	4.8	6.8	0.15	0.44	2.9	32	24J	8,100	140	98.9	0.23	4.6	5.3	4.35	0.16	-35.6	0.838	3.5	-
Area 1	G6M-96-13B	9/26/2005	3,700	140	570	5U	5U	5U	0.054	0.33	18	44	51J	12,000	200	134	0.28	11	11	4.98	1.32	-45.9	1.071	4.54	13.5
Area 1	G6M-96-13B	12/13/2005	3,400	130	350	10U	5U	10U	0.069	0.35	31	46.3	63J	12,100	140	150	0.05U	11	4.5	5.51	0.13	-52.1	0.851	0.9	16.38
Area 1	G6M-96-13B	3/20/2006	2,100	250	400	2U	1.2	2.5	0.036	0.42	97	38	96	17,000	360	300	0.207	6.77	2.4	5.68	0.17	-161.5	0.759	7.1	15.13
Area 1	G6M-96-13B	6/20/2006	1,900	280	370	2U	1U	3.5	0.044	0.27	200	48J	100	16,000	110	310	0.2U	4.21	4.8	5.46	0.62	-86.8	1.252	2.63	13.27
Area 1	G6M-96-13B	9/18/2006	880	370	530	2U	1.3	9.4	0.022J	0.43	2,400	150	110	20,000	300	370	0.262	4.56	3.0	6.14	0.48	-120.9	1.555	2.19	12.5
Area 1	G6M-96-13B	12/11/2006	830	340	620	2U	1.6	7.3	0.020J	0.047	9,000	190	130	27,000	360	-	-	6.06	1.2	6.28	14.07	-260	1.93	2.1	11.04
Area 1	G6M-96-13B	3/27/2007	940	290	590	2.6	2.1	26	0.025U	0.96	22,000	250	230	35,000J	140	-	-	4.3	1.6	5.71	0.1	-16.8	1.861	1.79	12.5
Area 1	G6M-96-13B	6/11/2007	1,200	280	610	2U	1.7	55	0.025U	0.68	22,000	200	200	15U	260	-	-	8.17	2.2	6.24	0.15	-97.5	1.87	1322	12.04
Area 1	G6M-96-13B	9/10/2007	2,600	130J	590	2U	1.6	38	0.036	6.3	32,000	240	210	25,000	270	410	0.2U	580	2.8	6.25	0.4	-136.3	1.866	15.5	12.96
Area 1	G6M-96-13B	12/11/2007	750	99	830	2U	1.5	110	0.005J	3.6	26,000	260	230	25,000	240	-	-	429	2.4	6.11	1.92	-25.7	1.907	8.0	11.98
Area 1	G6M-96-13B	3/10/2008	1,200	140	1,000	2U	1.7	140	0.025U	8.3	29,000	240	240	26,000	210	-	-	5U	2.0	6.18	1.55	-90.2	1.958	6.4	11.33
Area 1	G6M-96-13B	10/15/2008	7.3J	6.5J	490	10U	10U	350	1.2U	5.7	9,700	172	290	39,500	91.8U	470	0.13U	21	0.03UJ	6.19	0.90	-59.2	2.046	11	12.96
Area 1	G6M-96-13B	5/7/2009	190	75	310	10U	10U	95	1.2U	13	46,000	169	323	38,600	74	740J	0.13U	32	0.03U	6.09	0.10	-97.6	1.909	4.0	10.53
Area 1	G6M-96-13B	10/19/2009	440	140	290	10U	10U	89	1.2U	9.2	52,000	173	325	36,000	54	630	0.022U	53	0.041	6.32	1.53	-93.1	2.054	13.6	-
Area 1	G6M-96-13B	4/21/2010	93	29	100	2.0U	2.0U	57	1.3U	15	37,000	217	400J	39,100	130	610	0.13U	0.71J	0.041	6.21	0.13	18.2	2.496	10.99	-
Area 1	G6M-96-13B	10/6/2010	360	150	150	1.5	0.70	65	1.2U	18	96,000	222	366	37,500	57	95	0.045J	1.1J	0.03U	6.19	0.22	-103.4	2.547	12.9	12.34
Area 1	G6M-96-13B	6/9/2011	740	90	270	1.9	1.4	86	3.7	44	110,000	242	304	25,100	75	300	0.023J	0.49J	0.03U	6.22	0.09	-112	2.126	13.1	11.49
Area 1	G6M-96-13B	10/4/2011	160	24	79	8.0U	8.0U	43	1.2U	1.5U	98,000	284	335	25,300	73	620	0.13U	0.35J	0.03U	6.36	0.02	-77.8	1.733	20	10.82
Area 1	G6M-96-13B	5/9/2012	130	47	150	5.0U	5.0U	38	44	100	29,000	298	231	16,600	51	500	0.13U	0.58J	0.13	6.47	1.7	-89.7	1.68	12.1	16.85
Area 1	G6M-96-13B	10/11/2012	130	48	130	5.0U	5.0U	76	81	190	62,000	282	209	17,100	38	480	0.13U	5.0U	0.14	6.26	0.44	-66.4	2.335	7.09	10.87
Area 1	G6M-96-13B	5/22/2013	170	55	230	2.7J	5.0U	100	1.1U	86	23,000	395	241	18,600	29	540J	0.13U	5.0U	0.12J	6.23	0.15	-84.3	2.27	13	9.71
Area 1	G6M-96-13B	10/17/2013	78	38	200	4.0U	4.0U	170	2.4	36	18,000	365	234	17,600	37	560	0.13U	5.0U	0.058	6.46	0.15	-113.1	1.728	17.3	10.91
Area 1	G6M-96-25B	10/15/2001	360	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.81	5.3	142	0.498	3.9	12
Area 1	G6M-96-25B	2/25/2002	130	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.70	11.51	158.5	0.15	9.75	13.7
Area 1	G6M-96-25B	2/27/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	13.8
Area 1	G6M-96-25B	1/31/2003	52	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Area 1	G6M-96-25B	9/20/2004	56	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	4.98	7.63	593	0.589	0.0	13.7

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1	G6M-96-25B	9/26/2005	40	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.82	6.74	314.1	0.587	1.1	17
Area 1	G6M-96-25B	9/19/2006	44	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.20	7.64	223.5	0.496	1.46	12.2
Area 1	G6M-96-25B	9/11/2007	16	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.91	6.29	96.6	0.802	9.5	16.3
Area 1	G6M-96-25B	10/17/2008	1.7	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.80	8.41	89.7	0.151	4.0	14.5
Area 1	G6M-96-25B	10/16/2009	1.9	38J	0.5UJ	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.27	8.08	183.5	0.404	4.7	10.5
Area 1	G6M-96-25B	10/8/2010	3.1	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	5.80	6.70	190.2	0.622	1.59	16.3
Area 1	G6M-96-25B	10/6/2011	0.58	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.85	8.11	69.8	0.131	4.5	16.8
Area 1	G6M-96-25B	10/16/2012	2.0	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	5.87	7.09	181.7	0.572	7.76	12.7
Area 1/FDSA	G6M-02-08X	5/17/2002	2,300	35	250	2U	1U	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.04
Area 1/FDSA	G6M-02-08X	1/31/2003	3,600	46	480	2.3	1U	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.98
Area 1/FDSA	G6M-04-08X	9/24/2004	4.2	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.29	0.81	-75.5	0.632	52.8	15.68
Area 1/FDSA	G6M-02-08X	3/31/2005	1,300	38J	250	50U	50U	50U	0.049	0.79	1.2	5U	0.3J	770	15	62	1.1	6.2	2U	7.08	9.1	-50	0.563	24.6	9.64
Area 1/FDSA	G6M-02-08X	7/5/2005	1,000	130	1,800	12U	12U	12U	0.16	0.22	3	33	110	29,000	450	350	0.05U	3.7	8.3	4.23	1.66	19.1	1.616	4.72	14.95
Area 1/FDSA	G6M-02-08X	9/27/2005	560	26	1,300	1U	1.8	2.5	0.11	0.25	21	270	310J	75U	1,200	466	0.05U	320J	16	5.03	0.33	-68.6	1.965	3.16	18.79
Area 1/FDSA	G6M-02-08X	12/16/2005	300	24	1,200	4U	2U	4U	0.19	0.36	2.1	4.4B	350J	15U	1,500	520	0.05U	57	9.4	5.46	0.03	-31.4	1.999	66.4	9.72
Area 1/FDSA	G6M-02-08X	3/21/2006	180	25	1,300	2U	2.1	2.3	0.084	0.24	15	80	470	40,000	3,000	1,400	1U	245	14	5.46	0.33	-62.5	2.45	6.98	15.04
Area 1/FDSA	G6M-02-08X	6/21/2006	230	30	850	2U	1U	2U	0.14	0.23	19	100	970	44,000	5,700	1,800	1.67	759	40	4.80	1.32	-25.2	4.528	45.4	12.38
Area 1/FDSA	G6M-02-08X	9/20/2006	150	25	1,300	2U	1.6	2U	0.072	0.14	11	77	860	29,000	4,400	1,000	2U	655	16	5.20	1.57	-14.4	4.503	53.4	19.59
Area 1/FDSA	G6M-02-08X	12/12/2006	140	28	910	2U	1.1	2U	0.18	0.17	30	73	1,000	32,000	6,400	-	-	13.6	110	4.93	0.67	-38.3	6.436	108.6	7.42
Area 1/FDSA	G6M-02-08X	3/28/2007	60	14	500	2U	1U	2U	0.31	0.14	62	72	1,200	30,000J	7,200	-	-	1,170	80	4.46	0.21	-144.5	7.243	60.9	11.74
Area 1/FDSA	G6M-02-08X	6/13/2007	110	8.4	420	2U	1U	2U	0.092	0.11	180	130	1,200	33,000	6,800	-	-	1,160	82	4.70	1.78	24.1	6.948	1328.4	9.25
Area 1/FDSA	G6M-02-08X	9/13/2007	140	74	1,400	2U	1U	2U	0.22	0.17	120	410	1,100	37,000	4,400	3,000	0.2U	890	200	5.34	2.68	-150.5	6.823	28.2	11.52
Area 1/FDSA	G6M-02-08X	12/10/2007	250	66	1,100	2U	2.0	3.3	0.14	0.23	240	360	1,200	42,000	7,700	-	-	414	120	5.17	0.15	-115.7	7.569	10.8	11.11
Area 1/FDSA	G6M-02-08X	3/10/2008	32	5.5	170	2U	1U	2U	0.36	0.15	280	570	970	20,000	11,000	-	-	770	16	4.28	0.5	-55.7	7.828	13.8	15.4
Area 1/FDSA	G6M-02-08X	10/6/2008	49	4.5J	81	5U	5U	5U	6.3U	7.9U	3,000	103J	598	7,630	4,190	1,800	0.13U	610	0.75UJ	4.52	-0.12	-25.9	4.495	65	12.25
Area 1/FDSA	G6M-02-08X	1/21/2009	29	18U	39	11U	14U	11U	1.2U	1.5U	3,400	76	474J	6,650	2,900J	3,000	0.13U	710	0.39	4.76	0.15	39.2	3.739	46.4	13.10
Area 1/FDSA	G6M-02-08X	5/7/2009	25	20U	29	20U	20U	20U	1.3U	5.8	3,500	53.2	356	5,130	3,000	550J	0.092J	410	0.053	3.97	0.4	71.4	3.538	15.4	14.96
Area 1/FDSA	G6M-02-08X	10/20/2009	0.5U	0.5U	0.31J	0.5U	0.5U	0.5U	1.3U	1.6U	2,300J	70.6	486	6,840	2,300	40	1.3U	440	0.3UJ	4.61	1.88	79.4	3.973	20.1	12.49
Area 1/FDSA	G6M-02-08X	4/21/2010	11J	2.0UJ	75J	2.0UJ	2.0UJ	2.0UJ	1.3U	1.6U	4,400	98.9	447 J	8,720	3,400	40	1.3U	130	0.28	4.49	0.10	28.2	3.353	22.3	11.07
Area 1/FDSA	G6M-02-08X	10/7/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	27,000	73.4	381	8,080	2,400	860	2.6U	100	0.095	4.47	0.33	58.0	3.209	4.33	12.69
Area 1/FDSA	G6M-02-08X	6/9/2011	13	0.5U	140	0.5U	0.5U	1.6	1.2U	1.5U	83,000	155	473	14,000	2,800	1,100	6.5U	99J	0.38	4.64	0.11	18.9	2.968	11	11.14
Area 1/FDSA	G6M-02-08X	10/4/2011	8.0U	8.0U	210	8.0U	8.0U	8.0U	1.2U	1.5U	28,000	194	491	15,900	2,400	230	0.13U	86	0.091	4.81	0.02	18.1	2.376	4.99	13.73
Area 1/FDSA	G6M-02-08X	5/10/2012	9.8	8.0U	270	8.0U	8.0U	8.0U	1.2U	1.5U	14,000	184	581	19,000	1,900	730	0.13U	64	1.8	5.16	0.21	-9.9	3.338	3.29	11.46
Area 1/FDSA	G6M-02-08X	10/15/2012	12	4.0U	270	4.0U	4.0U	6.2	1.2U	1.5U	3,600	121	523	20,300	1,800	900	0.080J	37	0.096	4.85	0.32	-1.0	2.915	3.76	10.42
Area 1/FDSA	G6M-02-08X	5/23/2013	20	8.0U	510	8.0U	8.0U	24	1.2U	1.5U	11,000	160	460	18,200	1,600	610	0.041J	5.3	3.5J	4.88	0.10	9.4	2.618	4.01	-
Area 1/FDSA	G6M-02-08X	10/22/2013	13U	13U	500	13U	13U	51	3.6	84	40,000	200	428	15,400	1,100	630	0.13U	8.9	3.8	5.23	0.27	1.1	1.308	10.8	8.2
Area 1/FDSA	G6M-02-08X	6/12/2014	12	1.5	400	0.5U	0.7	140	1.3UJ	1.6UJ	9,400	241	420	10,100	670	700J	0.13U	1.0J	0.03U	5.23	0.21	11.2	2.023	6.68	16.6
Area 1/FDSA	G6M-02-08X	11/3/2014	8.3	5U	260	5U	5U	44	4.4	7.7	26,000	258	461	10,400	1,400	590	0.13U	0.96J	0.03U	5.28	0.12	-33.6	0.994	33.6	15
Area 1/FDSA	G6M-02-08X	6/16/2015	10 U	10 U	98.8	10 U	10 U	10 U	10 U	10 U	1,410	318	455	10,200	1,020	582	0.15	8.6 J	1.0 U	5.43	2.94	43.0	1.476	110	13.62
Area 1/FDSA	G6M-02-08X	9/9/2015	20 U	20 U	83.8	20 U	20 U	20 U	10 U	10 U	10,600	340	428	8,780	976	-	0.078 J	15.8	4.80	5.59	0.07	-39.2	1.337	12.0	13.71
Area 1/FDSA	G6M-02-08X	10/13/2015	20 U	21 U	83.5	21 U	21 U	21 U	10 U	10 U	18,400	320	483	9,410	1280	526	0.11 U	7.1 J	2.0 U	5.02	0.33	0.4	1.689	47.8	9.80
Area 1/FDSA	G6M-02-08X	2/10/2016	2.9	2.0 U	49.0	2.0 U	2.0 U	4.7	10 U	10 U	14,500	272	1,150	12,100	3,110	879	0.10 J	5.3 J	2.0 U	4.89	0.47	52.6	2.906	17.2	10.44
Area 1/FDSA	G6M-02-08X	6/14/2016	10 U	10 U	35.0	10 U	10 U	10 U	2.80	1.0 UJ	19,000	220	1,200	8,000	2,600	1,200	0.05 U	1.3	1.0 U	5.21	0.33	29.1	3.37	10.71	16.41
Area 1/FDSA	G6M-02-08X	11/10/2016	4.3	1.0 U	27	1.0 U	1.0 U	2.1	1.1 U	1.0 U	11,000	230	880	8,600	2,100	1,000	0.053 J	0.58 J	7.0	5.27	0.77	-0.9	1.37	9.44	8.3
Area 1/FDSA	G6M-03-02X	5/12/2003	1,300	2U	4.4	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.92
Area 1/FDSA	G6M-03-02X	10/11/2004	690	2U	5.6	2U	1U	2U	0.051	0.03	2.6	5U	1U	17	1U	12	3.7	20	1.7J	6.29	8.25	97.4	0.321	12.1	8.83
Area 1/FDSA	G6M-03-02X	12/15/2004	200	2U	5	2U	1U	2U	0.056	0.063	3.4	5U	1U	610	390	29	2.4	30	2U	5.86	1.75	-132.9	0.382	1.93	12.75
Area 1/FDSA	G6M-03-02X	3/29/2005	340	20U	14J	20U	10U	20U	0.15	0.34	5.1	640	140	49,000	1,300	366	0.2U	230	6.7J	5.23	0.65	-20.1	1.654	28.7	15.46
Area 1/FDSA	G6M-03-02X	6/29/2005	190	11	91	2.5U	2.5U	2.5U	0.29	0.65	43	130	220J	35,000J	1,200	431	0.05U	74	11	4.62	1.13	2.9	1.723	29.1	15.57
Area 1/FDSA	G6M-03-02X	9/29/2005	57	7.8	190	2.5U	2.5U	2.5U	0.2	0.29	560	150	260J	37,000	850	345	0.05U	62	16	4.94	0.53	-73.7	1.752	23.8	11.33
Area 1/FDSA	G6M-03-02X	12/15/2005	39	8U	190	8U	4U	8U	0.17	0.26	4,300	146	290J	38,000	1,100	550	0.05U	66	16	5.42	4.55	13.9	1.65	19.7	12.12

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1/FDSA	G6M-03-02X	3/21/2006	17	2U	140	2U	1U	2U	0.016J	0.14	6,700	140	320	37,000	1,400	1,200	2U	88.4	8.8	5.56	0.16	-47.7	1.731	17.3	13.35
Area 1/FDSA	G6M-03-02X	6/21/2006	8.2	2U	160	2U	1U	2U	0.044	0.12	10,000	240	410	23,000	1,300	1,000	1U	120	9.6	3.21	0.89	140.1	2.428	11.6	10.08
Area 1/FDSA	G6M-03-02X	9/20/2006	9.7	2.3	230	2U	1U	2U	0.05	0.2	8,700	200	440	21,000	1,300	570	1U	115	8.4	5.55	0.71	-27.8	2.029	13.7	11.46
Area 1/FDSA	G6M-03-02X	12/12/2006	6.9	2U	180	2U	1U	2U	0.047	0.16	6,800	170	350	11,000	890	-	-	53	8.0	5.85	1.31	-43.1	2.326	26.7	12.11
Area 1/FDSA	G6M-03-02X	3/28/2007	13	2.2	320	2U	1U	2U	0.033	0.11	9,800	230	470	14,000J	920	-	-	74.5	9.2	5.38	0.17	-62.3	2.523	14.9	12.75
Area 1/FDSA	G6M-03-02X	6/12/2007	11	2U	650	2U	1.4	17	0.025U	0.14	21,000	200	360	10,000	840	-	-	39	8.4	5.77	0.38	-59.3	2.268	39.5	12
Area 1/FDSA	G6M-03-02X	9/12/2007	12	2.1	800	2U	1U	81	0.006J	0.6	17,000	230	350	12,000	740	790	0.2U	580	20	5.44	10.26	-122.8	2.156	18.1	12.29
Area 1/FDSA	G6M-03-02X	12/10/2007	3.8	2U	720	2U	1.8	94	0.005J	1.4	14,000	290	390	29,000	1,000	-	-	24.7	7.0	5.67	6.03	-80.2	2.802	5.3	12.33
Area 1/FDSA	G6M-03-02X	3/10/2008	2U	2U	590	2U	1.8	50	0.098	3.4	11,000	320	410	100,000	2,000	-	-	50U	4.8	5.47	0.51	-55.9	3.113	24.5	11.74
Area 1/FDSA	G6M-03-02X	10/15/2008	5U	5U	260	5U	5U	27	1.2U	10	12,000	193	366	108,000	454	860	0.13U	59	0.03UJ	5.6	0.75	-28.1	2.376	15	11
Area 1/FDSA	G6M-03-02X	5/7/2009	4.0U	4.0U	220	4.0U	4.0U	12	1.2U	18	23,000	188	396	56,700	900	1,100J	0.13U	44	0.03U	5.45	0.32	-46.7	1.962	4.81	11.27
Area 1/FDSA	G6M-03-02X	10/19/2009	10U	20U	290	10U	10U	9.5J	1.3U	14	18,000	205	423	43,400	290	920	0.13U	300	0.03U	5.99	2.56	-44.2	1.832	11.9	-
Area 1/FDSA	G6M-03-02X	4/21/2010	2.0UJ	2.0UJ	120J	2.0UJ	2.0UJ	9.3J	1.3U	16	16,000	189	566J	39,600	1,200	1,000	0.13U	0.28J	0.03U	5.85	0.29	18.9	1.902	7.28	18.13
Area 1/FDSA	G6M-03-02X	10/6/2010	0.5U	0.5U	3.2	0.5U	0.5U	0.42J	1.2U	20	35,000	118	580	36,100	810	1,100	0.29	0.40J	0.03U	5.65	0.57	-21.1	2.137	5.47	13.03
Area 1/FDSA	G6M-03-02X	10/4/2011	13U	13U	410	13U	13U	30	1.2U	63	47,000	379	352	12,400	190	3,300	0.13U	0.51J	0.035	6.32	0.09	-86.1	1.14	13	16.73
Area 1/FDSA	G6M-03-02X	10/11/2012	2.0U	2.0U	59	2.0U	2.0U	34	1.2U	540	39,000	270	295	10,200	140	500	0.051J	5.0U	0.49	6.13	0.46	-68.9	1.31	9.5	23.98
Area 1/FDSA	G6M-03-02X	10/22/2013	1.3U	1.3U	44	1.3U	1.3U	36	1.2U	200	44,000	296	212	6,750	57	300	0.13U	5.0U	0.19	6.24	0.41	-68.8	0.609	9.19	17.97
Area 1/FDSA	G6M-03-02X	10/30/2014	0.5U	0.27J	6.6	0.5U	0.5U	6.3	1.2U	12	38,000	254	251	6,090	340	450	0.13U	0.23J	0.03U	6.45	0.33	-61.7	0.82	13.6	10.2
Area 1/FDSA	G6M-03-02X	10/13/2015	1.0 U	1.0 U	6.0	1.0 U	1.0 U	5.30	10 U	10 U	17,600	168	116	3,540	33.0	156	0.062 J	10.2	2.0 U	5.85	0.39	-86.6	0.679	23.1	13.10
Area 1/FDSA	G6M-03-02X	11/10/2016	1.0 U	0.54 J	18	1.0 U	1.0 U	6.4	1.1 U	1.0 U	17,000	180	260	3,900	120	300	0.05 U	0.44 J	1.9	6.21	0.25	-57	0.73	8.87	9.15
Area 1/FDSA	G6M-03-04X	10/21/2009	4.2U	4.0U	81	4.0U	4.0U	4.1	-	-	-	-	-	-	-	-	-	-	-	6.04	0.7	-99.6	0.635	24.5	19.6
Area 1/FDSA	G6M-03-04X	10/16/2012	0.5U	0.5U	0.5U	0.5U	0.5U	1.3	-	-	-	-	-	-	-	-	-	-	-	6.79	0.7	-123	0.622	80.4	22.98
Area 1/FDSA	G6M-04-10A	9/20/2004	2,900	2.5	3.4	2U	1U	2U	0.021	0.03	1.1	5U	1	170	1U	41	4.5J	22	2	5.91	3.75	206.5	0.552	1.7	10.79
Area 1/FDSA	G6M-04-10A	12/14/2004	2,400	2U	2U	2U	1U	2U	0.015	0.096	1500	5U	1U	120	5U	25	1.7	13	2U	5.89	2.81	215.4	0.965	2.04	9.62
Area 1/FDSA	G6M-04-10A	3/30/2005	640	40U	40U	40U	40U	40U	0.33	0.07	1.4	8.4	1.2	8,100	52	107	0.33	16	2U	5.90	4.22	68.3	1.01	1.76	10.99
Area 1/FDSA	G6M-04-10A	8/11/2005	380	45	390	2U	2U	2U	0.24	0.23	3.4	77	87J	50,000J	240	359	.05U	7.8	1U	5.65	1.84	11.9	0.977	14.9	10.06
Area 1/FDSA	G6M-04-10A	9/27/2005	340	88	260	1U	1U	1U	0.08	0.15	110	190	230J	76,000	330	442	0.084	3.0J	5.9	6.33	1.89	-1.9	1.135	4.3	10.77
Area 1/FDSA	G6M-04-10A	12/14/2005	1,500	180	220	2U	1U	2U	0.048	0.13	6,800	179	250J	32,500	370	480	0.05U	3.7	7.4	6.41	1.57	-64.8	0.985	1.9	10.24
Area 1/FDSA	G6M-04-10A	3/21/2006	4,400	180	450	2U	1U	8.3	0.025U	0.69	20,000	180	220	8,100	180	390	0.2U	4.08	2	6.72	0.27	-121.4	0.676	7.51	9.75
Area 1/FDSA	G6M-04-10A	6/20/2006	6,100	650	330	2U	1U	27	0.025U	0.12	16,000	160	220	5,700	120	340	0.2U	4.32	3.2	6.34	0.22	-99.8	0.893	9.82	10.97
Area 1/FDSA	G6M-04-10A	9/19/2006	1,000	15	59	2U	1U	14	0.23	0.11	11,000	170	97	5,000	61	150	0.311	5.2	1.2	6.56	1.14	-86.9	0.43	6.0	14.64
Area 1/FDSA	G6M-04-10A	12/13/2006	450	37	860	2U	1.2	76	0.025U	0.12	22,000	150	96	4,800	73	-	-	1.82	1.6	6.91	0.14	-111	0.662	27.3	6.31
Area 1/FDSA	G6M-04-10A	3/28/2007	1,200J	230J	680J	2U	1.6J	60J	0.65	0.26	20,000	380	260	27,000J	130	-	-	2.07	1U	6.1	0.19	-89.9	1.188	15.4	11.18
Area 1/FDSA	G6M-04-10A	6/12/2007	760	140	900	2U	2.1	130	0.54	1.1	23,000	310	260	15,000	190	-	-	1U	2.4	6.58	0.19	-145.2	1.295	128.5	15.77
Area 1/FDSA	G6M-04-10A	9/11/2007	2,700	99J	400	2U	1U	91	0.35	0.47	18,000	240	290	13,000	220	440	0.2U	54	2.4	6.42	1.72	-138.2	0.864	42.3	13.97
Area 1/FDSA	G6M-04-10A	12/11/2007	830	8.8	280	2U	1U	90	0.3	0.52	31,000	330	280	12,000	270	-	-	3.57	3.0	6.4	1.2	-70.1	1.366	8.0	10.09
Area 1/FDSA	G6M-04-10A	3/10/2008	200	830	670	3.4	1.8	37	0.34	0.61	25,000	340	230	35,000	210	-	-	10	2.2	6.53	0.94	-123.8	1.362	24	9.82
Area 1/FDSA	G6M-04-10A	10/6/2008	4,000	450	990	100U	100U	1,400	1.3U	11	16,000	247	187	9,100	34	210	0.13U	12	0.03UJ	6.38	0.21	-168	0.948	15	15.25
Area 1/FDSA	G6M-04-10A	1/21/2009	1,500	390	1,400	1,100U	0.67J	1,200	1.2U	9.6	53,000	250	234J	7.8	46J	20U	0.13U	20	0.03UJ	6.6	0.2	-112.6	0.937	7.02	14.25
Area 1/FDSA	G6M-04-10A	5/7/2009	380	41	390J	10U	10U	420	1.2U	11	34,000	292	194	17,200	49	590J	0.13U	24	0.03U	6.4	0.8	-125	1.165	4.2	11.25
Area 1/FDSA	G6M-04-10A	10/20/2009	2,700	290	2,100	50U	50U	1,400	1.3U	15	11,000	220	127	8,960	21	350	0.13U	8.7	0.03U	6.42	0.17	-121.4	0.805	11.43	12.63
Area 1/FDSA	G6M-04-10A	4/21/2010	170	21	170	4.0U	4.0U	130	1.3U	15	21,000J	286	297J	18,200J	120	670	0.017J	0.65J	0.03U	6.58	0.70	-139.5	0.880	7.00	14.71
Area 1/FDSA	G6M-04-10A	10/6/2010	25	10J	600	20U	20U	190	1.2U	14	51,000	296	119	4,280	26	260	0.13U	0.98J	0.03U	6.32	0.17	-85.2	0.694	6.24	13.56
Area 1/FDSA	G6M-04-10A	6/9/2011	110	36	300	0.5U	0.5U	170	1.2U	5.7	92,000	295	198	9,140	63	660	0.13U	1.2J	0.03U	6.4	0.39	-105.1	1.243	5.1	10.45
Area 1/FDSA	G6M-04-10A	10/4/2011	850	170	1,100	40U	40U	270	1.2U	74	36,000	322	304	17,600	160	750	0.13U	1.1J	0.22	6.07	0.21	-94	0.629	8.18	8.25
Area 1/FDSA	G6M-04-10A	5/10/2012	180	120	610	20U	20U	200	1.1U	250	46,000	367	183	6,700	16	340	0.13U	0.70J	0.10	6.49	0.48	-107.7	0.71	9.05	10.96
Area 1/FDSA	G6M-04-10A	10/15/2012	2.0U	2.0U	26	2.0U	2.0U	110	1.2U	44	14,000	291	185	8,250	64	340	0.092J	5.0U	0.13J	6.43	0.6	-103.7	0.92	5.5	10.36
Area 1/FDSA	G6M-04-10A	5/23/2013	0.5U	0.5U	13	0.53	0.5U	15	1.2U	1.5U	18,000	342	400	7,110	200	650	0.11J	0.84J	0.1J	6.37	1.3	-84.4	1.311	11	10.6
Area 1/FDSA	G6M-04-10A	10/17/2013	360J	92J	130J	10U	10U	14J	1.2U	9.4	24,000J	292	341	5,000	150	650	0.13U	1.1J	0.034J	6.37	0.29	-95.5	1.756	9.78	10.48
Area 1/FDSA	G6M-04-10A	6/12/2014	0.5U	0.23J	1.4	0.5U	0.5U	5.1	2.2J	1.6UJ	9,500J	264	164	3,730	29	200J	0.13U	17	0.03U	6.36	0.59	-82.7	1.761	10.93	10.89
Area 1/FDSA	G6M-04-10A	11/3/2014	0.5U	0.5U	0.92	0.5U	0.5U	4.4	1.2U	3.6J	21,000	288	184	2,100	34	240	0.13U	16J	0.03U	6.62	0.15	-136.9	1.742	16.98	11.17

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1/FDSA	G6M-04-10A	6/19/2015	0.50 U	0.50 U	0.50 J	0.50 U	0.50 U	5.00	5.0 U	5.0 U	7,510	274	145	1,940	18.3	278	0.11 U	21.70	1.0 U	6.62	0.51	-94.6	2.201	8.06	10.47
Area 1/FDSA	G6M-04-10A	10/13/2015	1.0 U	1.0 U	0.73 J	1.0 U	1.0 U	1.60	10 U	10 U	15,000	292	295	2,260	26.7	241	0.099 J	8.6 J	2.0 U	6.53	0.09	119.6	2.267	17	11.90
Area 1/FDSA	G6M-04-10A	6/14/2016	1.0 U	0.64 J	1.1	1.0 U	1.0 U	4.0	1.1 U	1.0 UJ	13,000	220	82	1,700	10.0	190	0.05 U	7.3	1.0 U	5.94	0.23	-66.6	1.878	7.73	11.89
Area 1/FDSA	G6M-04-10A	11/9/2016	1.0 U	0.49 J	0.96 J	1.0 U	1.0 U	1.40	1.1 U	1.0 U	7,100	220	92	3,200	5.5	86	0.05 U	17	1.5	6.50	0.37	-96.9	1.44	5.27	8.47
Area 1/FDSA	G6M-04-10X	9/20/2004	70	7.5	32	2U	1U	2U	0.019	0.039	1.0	5U	1.0	260	1U	11	6.7J	21	3.4	5.59	6.87	246.2	0.902	0.95	10.24
Area 1/FDSA	G6M-04-10X	12/14/2004	65	7.8	35	2U	1U	2U	0.022	0.053	2.2	5U	1U	200	5U	10U	6.6	23	2U	5.40	7.57	424.2	0.816	5.5	16.22
Area 1/FDSA	G6M-04-10X	3/31/2005	56	6.8	30	2U	2U	2U	0.022	0.86	1.1	5U	1U	190	0.4J	10U	1.5	25	2U	5.18	7.65	256.7	1.337	0.41	13.05
Area 1/FDSA	G6M-04-10X	7/1/2005	50	5.4	23	2U	1U	2U	0.035	0.05	12	4.2	1UJ	10U	5.9	43.5	1.7	12	1U	5.33	6.09	265.2	1.502	0.90	17.5
Area 1/FDSA	G6M-04-10X	9/27/2005	48	4.7	23	2U	1U	2U	0.010J	0.018J	16	5U	1U	170	4	7.7	1.4	26	1U	5.26	6.68	450.9	1.123	0.50	14.74
Area 1/FDSA	G6M-04-10X	12/14/2005	67	6.3	27	2U	1U	2U	0.016J	0.034	11	5U	1U	164	5U	9.8	1.5	28	1U	5.49	6.78	205.1	1.032	3.40	10.78
Area 1/FDSA	G6M-04-10X	3/22/2006	76	9.1J	32	2U	1U	2U	0.015J	0.025J	25	5U	.1U	200	5.6	10U	1.44	23.6	1U	5.57	6.74	195.7	0.94	1.45	10.62
Area 1/FDSA	G6M-04-10X	6/20/2006	87	10	47	2U	1U	2U	0.013J	0.012J	18	5U	0.1U	240	5U	10U	1.69	25.2	1U	5.08	6.23	248.8	1.512	1.9	10.93
Area 1/FDSA	G6M-04-10X	9/19/2006	65	6.8	32	2U	1U	2U	0.026	0.025J	13	5U	0.10U	240	2.2J	8.0	1.27	22.2	1U	5.21	6.94	273.9	1.66	4.68	12.18
Area 1/FDSA	G6M-04-10X	12/13/2006	64	7.2	35	2U	1U	2U	0.008J	0.011J	28	5U	0.1U	280	5U	-	-	27	1U	5.38	7.9	39.3	2.16	0.59	11.34
Area 1/FDSA	G6M-04-10X	3/28/2007	56	5.9	26	2U	1U	2U	0.017J	0.054	21	5U	0.21	290J	5U	-	-	27.9	1U	5.21	6.37	77.9	1.947	3.71	10.56
Area 1/FDSA	G6M-04-10X	6/12/2007	28	2.4	9.9	2U	1U	2U	0.010J	0.065	18	5U	0.1U	250	5U	-	-	31.2	1U	5.35	6.31	230.7	3.15	14	15.88
Area 1/FDSA	G6M-04-10X	9/11/2007	35	3.4	13	2U	1U	2U	0.008J	0.010J	13	6U	0.1U	270	5U	10U	1.4	2000	1U	5.29	8.98	-40.6	2.617	10.5	14.25
Area 1/FDSA	G6M-04-10X	12/11/2007	20	2U	6.4	2U	1U	2U	0.010J	0.028	5.3	5U	0.1U	230	5U	-	-	34.7	1U	5.46	5.62	27.7	3.66	2.8	14.5
Area 1/FDSA	G6M-04-10X	3/11/2008	22	2.1	9.7	2U	1U	2U	0.004J	0.010J	4.1	5U	0.16	250	5U	-	-	28	1U	4.99	6.42	213.5	2.89	0	13.63
Area 1/FDSA	G6M-04-10X	10/15/2008	18	1.6	8.4	0.5U	0.5U	0.5U	1.2U	1.5U	6.1	8.0U	0.2U	265	10U	30	1.4	27	0.03U	5.28	6.58	247.1	3.339	1.4	11.75
Area 1/FDSA	G6M-04-10X	5/7/2009	15	1.2	5	0.5U	0.5U	0.5U	1.3U	1.6U	0.76	8.0U	0.2U	213	10U	20UJ	1.2	33	0.03U	5.20	5.86	196.8	2.229	1.53	11.22
Area 1/FDSA	G6M-04-10X	10/20/2009	9.8	4.8	5.2	0.5U	0.5U	0.27J	1.3U	1.6U	19	8U	0.139U	197	10U	20U	1.1	29	0.03U	5.20	5.72	226.2	2.651	2.68	11.56
Area 1/FDSA	G6M-04-10X	4/21/2010	24	1.5	6.5	0.5U	0.5U	0.5U	1.3U	1.6U	87	5.0U	0.1U	200	10U	25	1.4	31	0.03U	5.26	5.13	187.2	2.760	4.00	14.4
Area 1/FDSA	G6M-04-10X	10/6/2010	24	1.8	7.9	0.5U	0.5U	0.5U	1.2U	1.5U	3.7	5U	0.1U	208	10U	25	1.8	28	0.03U	5.18	5.63	225.7	2.937	0.00	12.4
Area 1/FDSA	G6M-04-10X	10/4/2011	9.0	0.5U	1.9	0.5U	0.5U	0.5U	1.2U	1.5U	47	5U	0.1U	173	4.5J	20U	1.3	28	0.03U	5.01	4.46	192.8	1.078	1.16	11.3
Area 1/FDSA	G6M-04-10X	10/15/2012	15	0.72	1.9	0.5U	0.5U	0.5U	1.2U	1.5U	32	5U	0.103U	224	10U	20U	1.2	35	0.03U	5.53	5.25	204	3.135	0.33	12.88
Area 1/FDSA	G6M-04-10X	10/17/2013	6.2	0.28J	0.5J	0.5U	0.5U	0.5U	1.2U	1.5U	5,500	3.3J	1.27	262	2.7J	20U	0.95	37	0.03U	5.32	3.9	164.1	4.698	2.89	13.02
Area 1/FDSA	G6M-04-10X	11/3/2014	7.4	0.27J	0.47J	0.5U	0.5U	0.5U	1.2U	1.5U	200	2.5U	1.32	308	5U	20U	1.3J	30J	0.03U	5.27	5.28	148.4	2.562	0.97	12.55
Area 1/FDSA	G6M-04-10X	9/9/2015	2.8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	5.0 U	2.0 U	0.114	383	0.81 U	-	0.92	34.7	1.0 U	5.38	3.32	169.9	2.257	4.98	13.13
Area 1/FDSA	G6M-04-10X	10/13/2015	3.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	4.0 U	0.10 U	344	1.0 U	7.2	1.10	35.4	2.0 U	5.31	2.86	202.1	3.174	28.5	12.33
Area 1/FDSA	G6M-04-10X	2/9/2016	2.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	6.9 J	4.0 U	0.053 J	274	1.0 U	7.1	0.91	35.1	2.0 U	5.49	2.49	196.7	1.922	19.3	8.62
Area 1/FDSA	G6M-04-10X	6/14/2016	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.3	5.1 J	27	3.0 U	0.073	330	0.63 J	9.4	1.0	35.0	1.0 U	5.72	1.77	102.1	3.364	0.96	11.60
Area 1/FDSA	G6M-04-10X	11/9/2016	2.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	170	3.0 U	0.036 J	420	0.72 J	10	0.58	32	2.2	5.70	0.76	67.9	1.546	4.27	9.16
Area 1/FDSA	G6M-04-13X	9/21/2004	8.0	2U	2U	2U	1U	2U	-	-	-	5U	1U	350	-	-	-	-	-	5.96	8	551.8	0.138	1.75	16.01
Area 1/FDSA	G6M-04-13X	9/26/2005	2U	2U	2U	2U	1U	2U	-	-	-	5U	1U	15U	-	-	-	-	-	6.43	10.5	180	0.042	3.8	17.24
Area 1/FDSA	G6M-04-13X	9/18/2006	2U	2U	2U	2U	1U	2U	-	-	-	5U	0.10U	15U	-	-	-	-	-	5.65	8.63	213.9	0.076	12.1	13.33
Area 1/FDSA	G6M-04-13X	9/12/2007	2U	2U	2U	2U	1U	2U	-	-	-	5U	0.1U	15U	-	-	-	-	-	6.07	8.7	147.4	140	14.1	13.36
Area 1/FDSA	G6M-04-13X	10/17/2008	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	8U	0.2U	50U	-	-	-	-	-	5.22	9.98	124.4	0.046	45	10.56
Area 1/FDSA	G6M-04-13X	10/20/2009	25U	16J	25U	25U	25U	25U	-	-	-	2J	0.132U	50U	-	-	-	-	-	5.78	10.61	283.7	0.049	12.2	11.05
Area 1/FDSA	G6M-04-13X	10/7/2010	0.29J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.102U	25U	-	-	-	-	-	5.83	8.84	147.3	0.048	2.87	10.33
Area 1/FDSA	G6M-04-13X	10/4/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	14.0J	-	-	-	-	-	5.54	9.15	208.7	0.024	13.5	11.43
Area 1/FDSA	G6M-04-13X	10/16/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	5.1J	-	-	-	-	-	6.28	9.95	108.1	0.047	17.2	11.11
Area 1/FDSA	G6M-04-13X	10/22/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	5.92	10.69	120.9	0.021	45.6	10.28
Area 1/FDSA	G6M-04-13X	11/3/2014	0.36J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5U	0.0247U	7.5U	-	-	-	-	-	6.23	6.38	147.6	0.029	35.2	15.24
Area 1/FDSA	G6M-04-13X	10/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.10 U	15 U	-	-	-	-	-	6.85	8.83	114.7	0.045	1.07	14.69
Area 1/FDSA	G6M-04-13X	11/10/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05 U	3.0 U	-	-	-	-	-	6.13	8.22	-8.8	0.027	2.69	6.8
Area 1/FDSA	G6M-07-02X	12/12/2007	50	2U	2U	2U	1U	2U	0.024J	0.022J	0.73	5U	0.1U	64	5U	-	-	16.2	1U	5.9	7.54	194.2	0.148	5.4	9.8
Area 1/FDSA	G6M-07-02X	3/11/2008	1,800	2U	2U	2U	1U	2U	0.014J	0.019J	7.1	5U	0.1U	35	5U	-	-	26	1U	5.7	7.5	165.5	0.108	0	10.96
Area 1/FDSA	G6M-07-02X	10/15/2008	170	5.0U	5.0U	5.0U	5.0U	5.0U	1.2U	10	12,000	5.5J	0.2U	21.2J	10U	20U	0.13U	11	0.030UJ	5.34	9.25	93.2	0.067	19	10.69
Area 1/FDSA	G6M-07-02X	5/11/2009	46	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	7	7.1	0.2U	5.8J	5.7J	20U	0.062	8.6J	0.030UJ	6.17	9.4	115.7	0.055	4	11.27
Area 1/FDSA	G6M-07-02X	10/20/2009	30J	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	6.2J	6.6	0.2U	50U	10U	20U	0.13U	7.2	0.03UJ	6	9.34	128.9	0.053	9.35	14.5
Area 1/FDSA	G6M-07-02X	4/21/2010	63	2U	2U	2U	2U	2U	1.2U	1.5U	3,200	6.2	0.176U	25U	10U	30	0.0098J	6.8	0.03U	6.10	0.33	139.3	0.034	12	16.26

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1/FDSA	G6M-07-02X	10/6/2010	26J	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	28	3.4J	0.1U	25U	10U	32	0.21	5.6	0.03U	5.31	6.13	170	0.053	5.48	12.95
Area 1/FDSA	G6M-07-02X	10/4/2011	700	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	46,000	4.6J	0.1U	79.8	10U	31	0.13U	4.4J	0.03U	5.17	0.09	176.5	0.045	8.2	10.89
Area 1/FDSA	G6M-07-02X	10/11/2012	90	190	6.4	5.0U	5.0U	5.0U	1.2U	1.5U	46,000J	5U	0.286	40.1	10U	20U	0.056J	6.4	0.03U	6.28	1.60	76.1	0.068	11.31	19.81
Area 1/FDSA	G6M-07-02X	10/17/2013	1,000	8.7J	20U	20U	20U	20U	1.2U	1.5U	520J	5U	0.1U	31.7	10U	21	0.13U	4.5J	0.03U	6.03	4.25	143	0.060	1.17	20.19
Area 1/FDSA	G6M-07-02X	11/3/2014	14,000	40J	31J	50U	50U	50U	1.2U	1.5U	6,200	2.2J	0.421J	43.3	5U	22	0.13U	4.2J	0.03U	5.85	0.23	70.2	0.040	12.1	9.22
Area 1/FDSA	G6M-07-02X	12/11/2014	6,200	57	50U	50U	50U	50U	-	-	-	-	-	-	-	-	-	-	-	5.39	0.51	218.1	0.098	0.85	7.38
Area 1/FDSA	G6M-07-02X	10/13/2015	482	13.0	1.0 U	3.1 J	1.0 U	1.0 U	10 U	10 U	3,200 J	4.0 U	0.303	32.8	1.0 U	10.3	0.11 U	10.2	2.0 U	5.86	0.27	59.3	0.055	5.95	15.55
Area 1/FDSA	G6M-07-02X	6/14/2016	1,400	10 J	20 U	20 U	20 U	20 U	1.1 U	1.0 UJ	970	3.0 U	0.110	37	1.2	12	0.05 U	6.6	1.0 U	5.56	1.86	94.3	0.06	0.92	10.27
Area 1/FDSA	G6M-07-02X	11/9/2016	3,200	20 U	20 U	20 U	20 U	20 U	1.1 U	1.0 U	100	3.0 U	0.10	41	0.93 J	15	0.062 J	6.0	1.0 U	5.91	1.18	39.5	0.042	2.63	8.23
Area 1/FDSA	G6M-13-06X	1/30/2014	3.9J	8U	300	8U	8U	95	-	-	-	-	-	-	-	-	-	-	-	6.61	0.33	-38.3	2.521	35.9	10.81
Area 1/FDSA	G6M-13-06X	6/12/2014	0.5U	0.44J	180	0.68	0.37J	330	1.3UJ	33J	18,000J	444	365	16,900	160	710J	0.13U	0.68J	0.03U	6.42	0.24	-88.9	1.71	13.7	19.03
Area 1/FDSA	G6M-13-06X	10/30/2014	0.5U	0.5U	14	0.7	0.5U	15	1.2U	63	79,000	558	274	12,500	42	580	0.13U	0.42J	0.03U	6.31	0.24	-99	1.943	20.1	18.31
Area 1/FDSA	G6M-13-06X	6/16/2015	0.50 U	0.50 U	3.9	0.98 J	0.50 U	6.0	10 U	27.3	10,300	546	246	16,900	54.5	510	0.15	1.0 J	1.0 U	6.25	0.11	-40.1	1.989	31.9	11.27
Area 1/FDSA	G6M-13-06X	9/9/2015	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.0 J	5.0 U	36.6	18,200	511	269	22,500	82.2		0.11	10 U	6.50	6.02	0.16	-53.6	1.745	4.09	12.15
Area 1/FDSA	G6M-13-06X	10/14/2015	5.0 U	5.0 U	3.2 J	5.0 U	5.0 U	5.0 U	10 U	30.2	11,300	531	260	21,300	61.5	434	0071 J	1.70	1.50	5.71	1.19	100.7	0.904	1.46	19.27
Area 1/FDSA	G6M-13-06X	2/9/2016	1.0 U	1.0 U	2.0	0.80 J	1.0 U	4.6	10 U	31.7	14,500	536	226	12,000	46.0	409	0.17	10 U	2.0 U	6.35	1.07	-23.7	1.204	3.69	7.11
Area 1/FDSA	G6M-13-06X	6/14/2016	1.0 U	1.0 U	1.9	0.59 J	1.0 U	4.2	1.1 U	41.0	13,000	490	280	18,000	150	640	0.05 UJ	0.8 UJ	1.0 U	6.40	0.57	-48.4	2.223	2.27	10.67
Area 1/FDSA	G6M-13-06X	11/8/2016	1.0 U	1.0 U	9.8	0.55 J	1.0 U	7.7	1.1 U	23	11,000	470	250	9,600	55	560	0.05 UJ	1.0 U	5.8	6.42	1.47	-127.3	1.23	4.72	8.19
Area 1/FDSA	G6M-93-13X	10/15/2001	0.55J	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.30	9.9	355	6	1.2	14.88
Area 1/FDSA	G6M-93-13X	9/20/2004	3.8	2U	2U	2U	1U	2U	0.0081	0.014	0.89	5U	1.0	15U	1U	23	1.3J	10	2.7J	6.14	13.07	250.7	0.059	4.31	12.36
Area 1/FDSA	G6M-93-13X	12/13/2004	2U	2U	2U	2U	1U	2U	0.005U	0.005U	3.8	5U	1U	15U	5U	20	1.2	9.6M	2U	6.16	10.41	192.5	0.08	1.42	14.8
Area 1/FDSA	G6M-93-13X	3/29/2005	2U	2U	2U	2U	1U	2U	0.0063	0.28	3.1	5U	1UM	15U	0.6J	22	0.2U	9.1	2U	6.24	10.4	97.3	0.09	0.64	15.91
Area 1/FDSA	G6M-93-13X	6/28/2005	2U	2U	2U	2U	1U	2U	0.023	0.02	9.4	2U	1U	10U	4.9	41.2	0.081	8.2	1U	11.30	11.43	146.1	0.275	2.46	13.31
Area 1/FDSA	G6M-93-13X	9/26/2005	2U	2U	2U	2U	1U	2U	0.006J	0.018J	4.9	5U	1U	15U	3.1	27	0.083	9.5	1U	6.04	7.98	191.8	0.126	18.2	15.19
Area 1/FDSA	G6M-93-13X	12/13/2005	2U	2U	2U	2U	1U	2U	0.008J	0.011J	9.3	5U	1U	15U	4.4J	41	3.4	9.4	1U	6.48	9.55	69.6	0.086	0.5	13.7
Area 1/FDSA	G6M-93-13X	3/21/2006	2U	2U	2U	2U	1U	2U	0.025U	0.046	9.5	5U	0.1U	19	6.8	24	0.2U	6.83	1U	6.87	9.55	-9.4	0.058	0.61	13
Area 1/FDSA	G6M-93-13X	6/19/2006	2U	2U	2U	2U	1U	2U	0.008J	0.008J	5.3	5U	0.1U	28	1.4J	46	0.2UH	4.42	1U	6.33	9.14	190.1	0.087	1.34	11.49
Area 1/FDSA	G6M-93-13X	9/18/2006	2U	2U	2U	2U	1U	2U	0.006J	0.014J	5	5U	0.10U	15U	4.6J	22	0.2U	7.76	1U	6.22	9.33	173.6	0.062	4.62	10.39
Area 1/FDSA	G6M-93-13X	12/11/2006	2U	2U	2U	2U	1U	2U	0.008J	0.038	11	5U	0.1U	15U	5U	-	-	6.55	1U	6.38	10.68	91.3	0.076	2.23	12.11
Area 1/FDSA	G6M-93-13X	3/28/2007	2U	2U	2U	2U	1U	2U	0.005J	0.014J	9.6	5U	0.1U	15U	5U*	-	-	5.74	1U	6.14	9.8	-3.1	0.071	8.73	12.58
Area 1/FDSA	G6M-93-13X	6/11/2007	2U	2U	2U	2U	1U	2U	0.034	0.3	13	5U	0.1U	15U	0.4J	-	-	8.96	1U	6.64	10.12	125.4	0.121	3.3	13.98
Area 1/FDSA	G6M-93-13X	9/11/2007	3.0	2U	2U	2U	1U	2U	0.005J	0.025U	2.8	6U	0.1U	15U	0.7J	99	0.2U	12	1U	6.31	9.67	96.7	0.095	7.1	12.44
Area 1/FDSA	G6M-93-13X	12/10/2007	2U	2U	2U	2U	1U	2U	0.004J	0.007J	1.1	5U	0.1U	15U	5U	-	-	6.92	1U	6.25	8.81	71	0.156	0.6	11.83
Area 1/FDSA	G6M-93-13X	3/10/2008	2U	2U	2U	2U	1U	2U	0.008J	0.05	10	5U	0.2	12,000	34	-	-	100	1U	6.3	3.84	141	0.953	0	16
Area 1/FDSA	G6M-93-13X	10/15/2008	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	5.6	8.0U	0.2U	3,270	10U	110	3.6	34	0.03UJ	6.31	2.97	116.4	0.304	0	15.24
Area 1/FDSA	G6M-93-13X	5/7/2009	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	2.2	3.5J	0.2U	50U	10U	67J	0.71	16	0.03U	6.26	6.1	79.6	0.164	1.1	-
Area 1/FDSA	G6M-93-13X	10/19/2009	0.5U	15	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	6	8U	0.142U	50U	10U	54	0.058J	9.2	0.03UJ	6.42	4.79	182	0.110	1.01	15.69
Area 1/FDSA	G6M-93-13X	4/21/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	440	5.0U	0.115U	25U	6.5J	140	0.13U	10	0.03U	6.19	9.03	37.3	0.109	0.00	15.22
Area 1/FDSA	G6M-93-13X	10/6/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	16	5U	0.1U	25U	10U	63	0.050J	11	0.03U	6.12	4.77	114	0.116	3.42	17.33
Area 1/FDSA	G6M-93-13X	9/9/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	4.0 U	0.10 U	207	-	-	0.11 U	49.6	2.0 U	6.02	0.16	-53.6	1.745	4.09	12.15
Area 1/FDSA	G6M-93-13X	2/9/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	4.0 U	0.10 U	12 J	2.2	85.7	0.11 U	73.4	2.0 U	6.21	1.64	232.3	0.35	10.7	8.96
Area 1/FDSA	G6M-93-13X	6/14/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.045 J	130	-	-	-	-	-	6.35	1.01	63.1	0.306	14.0	13.39
Area 1/FDSA	G6M-93-13X	11/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.15	230	-	-	-	-	-	6.47	0.91	-29.7	0.192	11.39	9.52
Area 1/FDSA	G6M-95-19X	10/15/2001	110	6.6	42	1.5J	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.46	6.24	202	2.87	8.5	9.84
Area 1/FDSA	G6M-95-19X	9/20/2004	41	2.9	16	2U	1U	2U	-	-	-	5U	1	210	-	-	-	-	-	5.45	7.92	467.5	4.17	3.1	14.08
Area 1/FDSA	G6M-95-19X	9/26/2005	21	2U	5.4	2U	1U	2U	-	-	-	8.3	1U	160	-	-	-	-	-	4.00	4.51	595.3	4.361	0.72	14.45
Area 1/FDSA	G6M-95-19X	9/19/2006	12	2U	2U	2U	1U	2U	-	-	-	5U	0.10U	160	-	-	-	-	-	3.82	6.77	281	4.236	2.41	11.78
Area 1/FDSA	G6M-95-19X	9/12/2007	21	2U	4	2U	1U	2U	-	-	-	5U	0.1U	200	-	-	-	-	-	5.28	7.62	175.1	6.566	0.4	12.46
Area 1/FDSA	G6M-95-19X	10/15/2008	14J	0.39J	1.6J	0.5U	0.5U	0.5U	-	-	-	8U	0.2U	212	-	-	-	-	-	5.35	6.63	267.9	5.306	0.9	12.15
Area 1/FDSA	G6M-95-19X	10/16/2009	20U	540	20U	20U	20U	20U	-	-	-	8U	0.2U	153	-	-	-	-	-	5.22	4.53	232	4.529	1.49	11.54
Area 1/FDSA	G6M-95-19X	1/15/2010	6.9	0.5U	0.46J	0.75U	0.75U	1.0U	-	-	-	-	-	-	-	-	-	-	-	5.46	4.09	243.8	4.733	2.17	10.45

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 1/FDSA	G6M-95-19X	10/7/2010	1.8	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	186	-	-	-	-	-	5.34	3.35	159.4	4.211	3.88	9.77
Area 1/FDSA	G6M-95-19X	10/7/2011	2.2	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	242	-	-	-	-	-	5.51	2.9	132.2	2.319	1.1	12.69
Area 1/FDSA	G6M-95-19X	10/15/2012	3.3	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	1,450	-	-	-	-	-	5.53	2.8	225.1	7.618	0.19	9.91
Area 1/FDSA	G6M-95-19X	10/18/2013	2.4	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	2,250	-	-	-	-	-	5.49	1.44	154.9	3.827	5.42	10.34
Area 1/FDSA	G6M-95-19X	11/3/2014	3.0	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5U	0.0847U	1,190	-	-	-	-	-	5.73	3.06	202.5	2.189	2.78	10.00
Area 1/FDSA	G6M-95-19X	10/14/2015	1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.10 U	739	-	-	-	-	-	5.85	1.10	170.4	4.126	1.43	10.94
Area 1/FDSA	G6M-95-19X	11/8/2016	1.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05 U	760	-	-	-	-	-	2.68	1.7	67.5	2.952	3.39	12.48
Area 2	G6M-02-01X	2/28/2002	11	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.91	4.7	66.6	0.624	14	13.53
Area 2	G6M-02-01X	9/23/2004	24	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.64	2.54	145	0.784	6.11	19.41
Area 2	G6M-02-01X	9/30/2005	110	2U	3.1	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.07	3.82	384.8	0.555	10.9	18.04
Area 2	G6M-02-01X	9/20/2006	1,300	12	91	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.19	3.68	-108.2	0.708	9.07	17.33
Area 2	G6M-02-01X	12/14/2006	1,600	18	120	2U	1U	2U	-	-	-	-	-	-	5U	-	-	-	-	6.54	3.64	-34.8	0.831	2.81	14.32
Area 2	G6M-02-01X	3/30/2007	1,700	19	120	2U	1U	2U	0.012J	0.081	-	5U	0.1U	120J	3.3J	-	-	9.43	1U	6.64	4.22	-35.3	0.8	0.78	14.06
Area 2	G6M-02-01X	6/14/2007	1,700	16	97	2U	1U	2U	-	-	-	-	-	-	1.9J	-	-	-	-	6.72	3.3	69.6	0.853	10.4	14.82
Area 2	G6M-02-01X	9/14/2007	1,900	24	150	2U	1U	2U	-	-	-	-	-	-		-	-	-	-	6.57	3.32	102.4	0.747	0.1	14.44
Area 2	G6M-02-01X	12/13/2007	1,600	21J	130J	2U	1U	2U	-	-	-	-	-	-	3.6J	-	-	-	-	6.61	2.73	128	0.807	0	12.57
Area 2	G6M-02-01X	3/14/2008	520	70	600	2U	2.2	2U	0.052	0.16	12	150	26	23000	180	-	-	5U	1U	6.45	0.38	-99.2	1.62	2.7	13.35
Area 2	G6M-02-01X	10/7/2008	180	49	360	10U	10U	10U	6.3U	9.5	5,000	141	14.5	5,880	17.7	200	0.13U	11	0.03UJ	6.97	0.18	-112.9	1.193	8.4	12.07
Area 2	G6M-02-01X	1/21/2009	280	76U	170	1.3U	1.2J	94U	1.3U	24	4,000	148	11,200J	4,500	11J	170	0.13U	7.0U	0.03U	7.13	0.39	-142.7	1.279	1.2	11.08
Area 2	G6M-02-01X	5/6/2009	610	190	100	10U	10U	54	1.2U	29	29,000	133	18.7	3,950	13	220J	0.059J	8.4	0.03U	6.69	0.2	-127.7	1.085	1.15	11.42
Area 2	G6M-02-01X	10/20/2009	820	180	76	40U	40U	47	1.3U	9	5,000J	108	11.8	2,470	4.6J	130	0.074J	7.6	0.03UJ	6.66	1.24	32.9	0.925	3.52	11.45
Area 2	G6M-02-01X	4/21/2010	37J	53J	95J	2U	2U	69J	1.3U	43	12,000J	164	20.5J	4,480	40	280J	0.024J	4.0J	0.03U	6.70	0.42	-122.0	1.180	1.60	11.63
Area 2	G6M-02-01X	10/6/2010	470	120	72	1.4	1.4	84	1.2U	49	25,000	133	13.7	3,050	10U	120	0.13U	5.2	0.03U	6.39	0.28	-77.8	1.039	3.65	12.53
Area 2	G6M-02-01X	6/9/2011	0.5U	4.3	11	0.69	0.5U	12	1.2U	230	71,000	173	45.9	7,380	90	400	0.11J	3.3J	0.03U	6.42	0.3	-86.3	1.423	0	14.56
Area 2	G6M-02-01X	10/5/2011	0.5U	0.88	3.6	0.5U	0.5U	7.3	1.2U	290	72,000J	271	27.3	5,470	18	190	0.13U	1.4J	0.03U	6.6	0.02	-106	0.681	0.87	12.53
Area 2	G6M-02-01X	5/9/2012	250	310	65	8.0U	8.0U	63	1.1U	260	41,000	271	10.8	2,050	2.3J	86	0.13U	6.8	0.081	6.66	0.07	-79.2	0.798	1.6	12.38
Area 2	G6M-02-01X	10/10/2012	350	120	75	10U	10U	160	1.2U	250	37,000J	220	10.4	2,080	10U	120 J	0.13U	6.5	0.36 J	6.64	0.5	-80.5	0.906	3.71	13.24
Area 2	G6M-02-01X	5/21/2013	0.25J	4.7	8.4	0.67	0.5U	5.2	1.2U	220	22,000	272	35.6	7,450	43	240J	0.13UJ	3.0J	0.076J	6.57	0.14	-91.7	1.439	0.71	14.22
Area 2	G6M-02-01X	10/17/2013	0.5U	2.4	11	0.58	0.5U	14	1.2U	450J	52,000	323	40.3	4,000	2.6J	140	0.13U	5.0U	0.078	6.66	0.22	-117.5	0.753	2.24	13.12
Area 2	G6M-02-01X	6/11/2014	0.5U	0.5U	1.4	0.5U	0.5U	2.6	1.3UJ	16J	5,300J	449	83.9J	4,260	9.5J	210J	0.13U	1.2U	0.030U	6.73	0.25	-103.1	1.174	4.68	13.08
Area 2	G6M-02-01X	10/30/2014	0.5U	0.21J	1.5	0.5U	0.5U	0.87	15	40	24,000	384	47.9	1,820	5U	86	0.13U	2.3J	0.03U	6.57	0.23	-130.8	0.959	1.81	12.73
Area 2	G6M-02-01X	6/17/2015	0.50 U	0.50 U	0.53 J	0.50 U	0.50 U	0.50 U	5.0 U	6.0 J	712	418	61.9	1,760	6.20	66.6	0.11 U	0.50 U	1.0 U	6.80	0.25	-91.1	0.671	8.45	13.66
Area 2	G6M-02-01X	9/10/2015	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	1.0 U	10 U	5.3 J	8,550	374	60.9	1,750	2.10	-	0.061 J	0.96 J	2.0 U	6.77	0.24	-110.5	0.807	0.81	16.00
Area 2	G6M-02-01X	10/16/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	14,200	360	56.2	1,750	2.14	54.6	0.11 U	1.1 J	2.0 U	6.86	0.11	-128.2	1.109	2.79	16.08
Area 2	G6M-02-01X	2/18/2016	1.0 U	1.0 U	0.89 J	1.0 U	1.0 U	0.53 J	10 U	10 U	12,500	347	52.5	2,420	6.8	155	0.10 U	1.5 J	2.0 U	7.01	0.8	31.9	1.659	3.95	10.29
Area 2	G6M-02-01X	6/13/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 UJ	22,000	450	100	2,700	7.7	150	0.021 J	0.8 U	1.0 U	6.87	0.21	-145.7	1.691	5.91	17.21
Area 2	G6M-02-01X	11/9/2016	1.0 U	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	18,000	430	62	2,100	3.1	140	0.05 U	1.0 U	1.8	6.92	0.23	-13.04	1.743	4.67	13.12
Area 2	G6M-04-01X	9/23/2004	250	3.6	21	2U	1U	2U	-	-	-	5U	1U	220	-	-	-	-	-	6.82	3.92	245.2	2.391	9.42	15.38
Area 2	G6M-04-01X	9/28/2005	140	2U	9.2	2U	1U	2U	-	-	-	5.1	1U	170	-	-	-	-	-	6.49	5.85	202.3	2.699	7.29	13.21
Area 2	G6M-04-01X	9/20/2006	150	2U	7.2	2U	1U	2U	-	-	-	5U	0.10U	220	-	-	-	-	-	5.87	4.88	-91.4	2.92	3.53	11.85
Area 2	G6M-04-01X	9/14/2007	290	2U	8.6	2U	1U	2U	-	-	-	6U	0.1U	130	-	-	-	-	-	6.00	5.21	155.3	2.055	35.8	12.16
Area 2	G6M-04-01X	10/20/2008	270J	11J	10UJ	10UJ	10UJ	10UJ	-	-	-	8UJ	0.2UJ	53.1J	-	-	-	-	-	7.32	3.37	96.2	0.999	3.5	17.25
Area 2	G6M-04-01X	10/20/2009	190	130	360	13U	13U	15	-	-	-	8U	0.107U	113	-	-	-	-	-	5.79	2.25	342.4	0.908	4.8	13.38
Area 2	G6M-04-01X	10/7/2010	27	19	120	0.68	0.29J	140	-	-	-	5U	1.05	164	-	-	-	-	-	6.14	0.29	124.3	1.312	1.55	11.53
Area 2	G6M-04-01X	10/5/2011	14	7.6	36	0.71	0.5U	160	-	-	-	3.7J	0.381	261	-	-	-	-	-	6.27	0.48	69.9	1.132	3.3	12.65
Area 2	G6M-04-01X	10/12/2012	5.5	4.0U	18	4.0U	4.0U	130	-	-	-	3.5 J	0.742	925	-	-	-	-	-	6.36	0.38	19.1	1.7	1.85	12.4
Area 2	G6M-04-01X	10/17/2013	0.5U	0.78	0.99	0.29J	0.5U	14	-	-	-	6.0	1.06	8,890	-	-	-	-	-	6.46	0.40	17.4	2.509	2.49	14.53
Area 2	G6M-04-01X	10/31/2014	0.39J	0.52	0.56	0.37J	0.5U	7.9	-	-	-	164	59.4	28,900	-	-	-	-	-	6.69	0.48	-95.3	1.85	19.6	13.34
Area 2	G6M-04-01X	9/10/2015	1.0 U	1.0 U	0.93 J	1.0 U	1.0 U	0.75 J	10 U	10 U	6,240	162	31.7	9,040	18.9	-	0.12	3.6 J	2.0 U	7.15	0.45	-152.7	1.880	41.6	15.91
Area 2	G6M-04-01X	10/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	382	96.4	24,400	-	-	-	-	-	6.78	0.10	-133.0	2.878	4.83	12.46
Area 2	G6M-04-01X	2/18/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	7,060	75.5	16.4	7460	11.8	411	0.10 U	13.8	2.0 U	6.68	1.67	182.6	1.624	6.39	9.49

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 2	G6M-04-01X	6/13/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	380	80.0	19,000	-	-	-	-	-	6.69	0.65	-120.3	3.639	17.6	17.67
Area 2	G6M-04-01X	11/9/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	320	95	19,000	-	-	-	-	-	6.76	0.42	-82	2.631	4.6	11.4
Area 2	G6M-04-03X	9/23/2004	440	2U	3.3	2U	1U	2U	0.22	0.036	100	5U	1U	3,100	1.4	53	5.1	23	2.2	6.37	3.41	446.5	1.236	12.2	12.85
Area 2	G6M-04-03X	9/27/2005	680	14	10	1U	1U	1U	0.19	0.32	52	5U	0.6J	3,500	6.0	81.5	0.35	38J	1U	6.29	0.79	377.5	1.361	9.62	12.87
Area 2	G6M-04-03X	9/22/2006	2,600	420	6.3	2U	1U	2U	0.049	0.3	17	5U	0.10U	2,900	7.2	190	0.2U	16.6	1U	6.30	0.43	152.1	0.524	3.52	15.12
Area 2	G6M-04-03X	9/14/2007	770	68	2.7	2U	1U	2U	0.062	0.11	3	38	0.87	2,300	1.6J	100	0.2U	24	1U	7.29	0.49	-110.3	0.294	3.6	14.18
Area 2	G6M-04-03X	10/16/2008	160	18	7.6	5U	5U	5U	1.3U	1.6U	6.2J	94.8	0.2U	930	10U	150J	0.10U	8.0	0.03U	10.48	2.01	18	0.539	5.8	14
Area 2	G6M-04-03X	10/15/2009	16	8.4	8.6	0.5U	0.5U	0.5U	1.3U	1.6U	2,000	148	2.02	3,270	10U	240	0.13U	7U	0.03U	8.80	1.49	-46.9	0.227	5.0	13.3
Area 2	G6M-04-03X	10/7/2010	300	52	94	0.62	0.25J	29	1.2U	3.5	29,000	133	5.47	3,910	10U	120	0.13U	4.8J	0.03U	6.67	2.47	-35.2	0.345	9.09	14.76
Area 2	G6M-04-03X	10/5/2011	7.3	1.8	7.5	0.5U	0.5U	4.6	1.2U	1.5U	29,000	72.9	0.19U	559	3.1J	130	0.13U	6.0	0.03U	10.63	0.49	6.3	0.307	0	12.74
Area 2	G6M-04-03X	10/10/2012	8.7	1.9	6.3	0.5U	0.5U	16	1.2U	170	38,000	65.8	0.261	1,320	10U	160	0.096J	8.0	0.03U	10.65	1.09	-18.4	0.556	6.84	13.84
Area 2	G6M-04-03X	10/17/2013	190	87	200	4U	4U	86	1.2U	270	51,000	31.6	32.7	8,450	2.5J	67	0.13U	8.6	0.03U	6.55	0.69	-77.3	0.583	28	15.41
Area 2	G6M-04-03X	10/30/2014	20	15	53	0.38J	0.5U	19	1.2U	17	6,700	14.4	0.29	114	4.7J	420	0.13U	7.5	0.03U	10.60	1.99	-70.1	1.152	24.3	13.53
Area 2	G6M-04-03X	9/11/2015	11	9.3	39.6	1.0 U	1.0 U	5.5	10 U	10 U	3,450	105	22.9	2,720	5.30	-	0.068 J	7.0 J	2.0 U	7.71	0.36	-194.0	1.079	11.6	14.60
Area 2	G6M-04-03X	10/14/2015	5.0	3.20	43.0	1.0 U	1.0 U	6.8	10 U	10 U	8,190	232	75.1	11,300	8.2	337	0.13 J	7.0 J	2.0 U	6.79	1.03	-68.4	1.208	9.64	12.80
Area 2	G6M-04-03X	2/18/2016	0.60 J	0.59 J	25.3	1.0 U	1.0 U	7.3	10 U	10 U	12,500	673	97.0	15,200	8.1	456	0.10 U	1.2 J	2.0 U	8.56	0.99	212.9	0.799	11.2	6.66
Area 2	G6M-04-03X	11/10/2016	1.0 U	0.65 J	5.8	1.0 U	1.0 U	4.1	1.1 U	25 J	20,000	380	110	31,000	9.8	390	0.05 U	2.2	1.0 U	6.47	0.43	-74.1	1.018	6.66	11.47
Area 2	G6M-97-08B	10/18/2001	92	6.1	36	1.6J	1U	2U	-	-	-	-	-	-	-	-	-	0	-	5.60	4.8	224	0.13	18	14.17
Area 2	G6M-97-08B	2/26/2002	100	5.9	32	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.87	5.13	186.4	1.157	5.3	12.77
Area 2	G6M-97-08B	9/22/2004	220	9.3	41	2U	1U	2U	0.0075	0.005U	1.3	5U	1U	26	1U	10U	6.1	12	1.5J	5.69	4.66	252.8	1.516	18.3	12.89
Area 2	G6M-97-08B	12/16/2004	200	7.7	41	2U	1U	2U	0.13	0.072	0.92	5U	1U	25	5U	10U	6.1	12	5.4	5.79	8.78	165	1.633	3.81	16.41
Area 2	G6M-97-08B	3/30/2005	95	3.4J	16	4U	2U	4U	0.015	0.032	0.54	5U	1U	21	0.4J	12	0.8	7	2U	5.58	8.06	202.8	0.999	9.42	15.56
Area 2	G6M-97-08B	6/28/2005	140	8	36	1.4	1U	2U	0.016	0.041	35	2U	1J	27	7.1	16.7	1.4	12	1U	11.30	4.94	173.7	1.506	8.16	13.88
Area 2	G6M-97-08B	9/27/2005	180	7.5	42	2U	1U	2U	0.013J	0.027	0.39	5U	1U	33	4.4	15.9	1.3	16	1U	5.60	5.73	319.2	1.713	2.82	13.47
Area 2	G6M-97-08B	12/12/2005	120	5.7	27	2U	1U	2U	0.04	0.11	26	5U	1U	28.1	0.6J	23	0.05UJ	13	1U	5.87	4.19	171.1	1.11	0.7	15.76
Area 2	G6M-97-08B	3/23/2006	240	8.8	44	2U	1U	2U	0.022J	0.13	12	5U	0.1U	46	5U	13	1.25	13.7	1U	5.85	5.13	181.5	1.44	3.16	14.21
Area 2	G6M-97-08B	6/21/2006	220	11	35	2U	1U	2U	0.019J	0.086	24	5U	0.17	1,300	16	66	0.809	13.5	1	5.90	2.39	141.1	2.015	1.48	-
Area 2	G6M-97-08B	9/19/2006	190	14	55	2U	1U	2U	0.078	0.13	18	130	21	13,000	270	300	0.2U	23.6	2.8	5.79	1.58	47.6	2.287	4.58	12.47
Area 2	G6M-97-08B	12/13/2006	200	11	75	2U	1U	2U	0.004J	0.038	1,700	160	83	20,000	440	-	-	49.6	2.8	6.07	1.43	-72.8	3.107	5.21	13.56
Area 2	G6M-97-08B	3/30/2007	200	8.5	46	2U	1U	2U	0.028	0.19	6,000	130	170	26,000J	620	-	-	126	4.6	5.36	0.46	14.8	3.626	1.13	12.47
Area 2	G6M-97-08B	6/14/2007	140	5.5	37	2U	1U	2U	0.025U	0.021J	7,900	100	370	24,000	760	-	-	120	6.4	5.66	1.68	-45.4	3.659	1.0	9.9
Area 2	G6M-97-08B	9/12/2007	170	8.4	43	2U	1U	3	0.004J	0.05	8,400	120	370	18,000	630	650	0.2U	1500	3.2	5.66	2.72	-31.4	3.924	5.5	11.04
Area 2	G6M-97-08B	12/14/2007	150J	5.7J	31J	2UJ	1UJ	4.5J	0.006J	0.054	10,000	150	280	12,000	520	-	-	92	5.6	5.84	0.75	-45.3	3.673	0	11.83
Area 2	G6M-97-08B	3/12/2008	150	6.5	32	2U	1U	6.8	0.008J	0.15	9,800	160	190	8,100	270	-	-	38	2.8	5.94	2.15	-66.4	3.091	0	12.36
Area 3	G6M-03-07X	5/12/2003	1,200	7.2	34	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.74
Area 3	G6M-03-07X	9/24/2004	1,700	6.3	31	2U	1U	2U	0.035	0.28	5.7	5U	1UJ	20	1U	10U	4.3J	12	1.6J	5.77	7	168.3	0.341	84.6	16.04
Area 3	G6M-03-07X	12/16/2004	1,500	6	35	2U	1U	2U	0.026	0.08	0.39	5U	1U	190	5U	10U	4.2	12	2.9	6.02	17.09	321.7	0.348	8.46	14.01
Area 3	G6M-03-07X	3/30/2005	1,100	91	140	40U	20U	40U	0.078	0.21	1.8	18	18	10,000	29	76	0.33	8	2U	6.33	1.9	-54.6	0.671	0.7	14.14
Area 3	G6M-03-07X	6/29/2005	940	78	940	40U	20U	40U	0.06	0.34	3.9	31	39J	15,000J	83	118	0.079	6.4	1U	11.97	1.12	-20.1	0.915	5.93	8.48
Area 3	G6M-03-07X	9/29/2005	300	44	1000	2.3	2.7	1U	0.068	0.45	660	46	210J	30,000	290	307	0.05U	3.2	12	6.20	2.7	-62	1.266	7.68	14.74
Area 3	G6M-03-07X	12/12/2005	92	22	710	20U	10U	20U	0.078	0.13	13,000	96.1	190	46,600	220	320	0.05UJ	2U	6.2	6.5	0.22	-82.1	1.038	3.6	14.16
Area 3	G6M-03-07X	3/24/2006	110	23	430	2U	2	270	0.010J	2	22,000	130	280	48,000	260	590	0.2U	1	8.6	6.87	0.17	-130.5	1.39	10.1	11.35
Area 3	G6M-03-07X	6/21/2006	9.5	3.6	180	2U	1U	310	0.073	21	21,000	140	460	59,000	280	570	0.2U	1U	4.8	5.13	0.7	-170.4	2.258	31.4	13.04
Area 3	G6M-03-07X	9/19/2006	47	7.9	260	2U	1U	300	0.037	9.2	25,000	140	470	44,000	290	460	0.926	1.27	5	6.48	0.27	-147.2	2.15	15.1	12.69
Area 3	G6M-03-07X	12/14/2006	190	30	310	2U	1.3	160	0.025	5.9	26,000	220	400	38,000	300	-	-	2.44	2.8	6.37	0.17	-160	2.155	6.19	12.57
Area 3	G6M-03-07X	3/29/2007	2U	2U	35	2U	1U	360	0.08	5.1	15,000	190	420	20,000J	130	-	-	1U	4.4	6.32	2.46	-69.3	1.787	39.6	13.39
Area 3	G6M-03-07X	6/14/2007	37	8.1	190	2U	1U	200	0.025U	2.3	25,000	220	490	37,000	310	-	-	10.5	2.4	6.40	1.31	-159	2.386	9.7	13.63
Area 3	G6M-03-07X	9/13/2007	27	13	290	2.2	1.1	140	0.008J	12	26,000	210	500	29,000	72	560	0.2U	420	4.8	6.26	3.08	-174.9	2.743	117.6	14.45
Area 3	G6M-03-07X	12/14/2007	2.6	2U	9.8	**3.0**	1U	120	0.010J	34	25,000	270	320	12,000	140	-	-	10U	4.0	6.51	0.99	-123.7	2.138	70.9	13.23
Area 3	G6M-03-07X	3/14/2008	2U	2U	2.3	2U	1U	4.3	0.11	26	30,000	210	230	11,000	130	-	-	5U	4.0	6.41	1.06	-85.5	1.897	235.9	14.9
Area 3	G6M-03-07X	10/7/2008	5U	2.2J	5U	21	5U	5U	6.3U	12	14,000	246	348	5,370	64.3	190	190	24	0.03UJ	6.24	0.10	-44.4	1.742	16	14.09

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 3	G6M-03-07X	1/22/2009	1.4U	2.3U	1.7J	15	1.7U	3.6	1.2U	10	16,000	227	338J	5,000	110J	20U	0.13U	37	0.03U	6.6	1.20	-74.9	1.743	30	14.38
Area 3	G6M-03-07X	5/6/2009	0.5U	0.5U	1.8	20	0.5U	2.6	1.2U	9.9	28,000	351	361	5,500	66	720J	0.025J	32	0.03U	5.88	0.21	-117.9	1.735	20.3	14.21
Area 3	G6M-03-07X	10/15/2009	0.27J	0.5U	2.3	19	0.5U	2.2	1.1U	7.3	16,000	318	251	4,870	44	550	0.13U	30	0.03UJ	6.25	0.88	-100.4	1.362	5.6	13.4
Area 3	G6M-03-07X	4/21/2010	0.5U	0.5U	0.88	5.3	0.5U	1.3	1.3U	6.3	27,000	339	176J	2,000	46	320	0.13U	0.11J	0.03U	6.46	0.69	-106.3	1.086	8.9	16.20
Area 3	G6M-03-07X	10/5/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	14	48,000	346	164	4,650	16	35	0.13U	0.27J	0.03U	6.35	0.11	-106.1	1.276	4.56	-
Area 3	G6M-03-07X	6/8/2011	0.5U	0.5U	1.7	7.8	0.5U	2.1	1.2U	13	72,000	381	158	3,540	41	460	0.13U	5.0U	0.10	6.25	0.08	-87	0.841	9.82	15.28
Area 3	G6M-03-07X	10/5/2011	0.5U	0.5U	0.86	5.6	0.5U	1.4	1.2U	1.5U	48,000	375	133	2,500	39	320	0.13U	5.0U	0.049	6.4	0.02	-42	0.764	6.0	9.73
Area 3	G6M-03-07X	5/9/2012	0.5U	0.5U	1.2	4.4	0.5U	0.92	1.2U	200	74,000	388	131	3,090	31	320	0.13U	0.35J	0.063	6.52	0.14	-111.7	1.046	2.43	12.88
Area 3	G6M-03-07X	10/11/2012	0.5U	0.5U	0.74	3.4	0.5U	1.5	1.2U	800	97,000	365	116	2,900	26	270	0.027J	5.0U	0.04	6.5	0.34	-96.2	0.962	4.81	15.32
Area 3	G6M-03-07X	5/21/2013	0.5U	0.5U	1	3.4	0.5U	0.77	1.2U	1.5U	22,000	413	114	2,150	23	180J	0.13UJ	5.0U	0.03UJ	6.01	0.17	-64.9	0.923	1.28	14.79
Area 3	G6M-03-07X	10/16/2013	0.5U	0.5U	0.86	2.9	0.5U	1.3	1.2U	33	31,000	434	120	2,340	26	340	0.13U	5.0U	0.065	6.53	0.21	-102.4	0.901	1.01	9.71
Area 3	G6M-03-07X	6/11/2014	0.40J	0.5U	0.72	3	0.5U	2.5	1.3UJ	3.5J	10,000J	422	105J	1,670	45	260J	0.13U	0.52U	0.03J	6.32	0.28	-48.4	0.787	2.54	11.63
Area 3	G6M-03-07X	10/30/2014	0.5U	0.5U	0.69	2.8	0.5U	1.1	1.2U	1.8	54,000	355	78.5	1,400	22	180	0.13U	0.38J	0.03U	6.49	0.24	-120.7	0.532	5.63	12.93
Area 3	G6M-03-07X	6/18/2015	0.50 U	0.50 U	0.62 J	2.10	0.50 U	0.77 J	5.0 U	5.7 J	12,400	97.1	107	1,810	27.1	262	0.15 U	0.50 U	1.0 U	6.40	0.16	-94.9	0.626	15.1	16.20
Area 3	G6M-03-07X	9/14/2015	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	6.0 J	11,900	436	103	1,700	25.2	-	0.086 J	0.94 J	2.0 U	6.45	0.56	-112.8	0.545	5.16	14.23
Area 3	G6M-03-07X	10/14/2015	1.0 U	1.0 U	0.59 J	1.80	1.0 U	0.73 J	10 U	6.5 J	16,600	441	102	1,660	243	161	0.085 J	2.3 J	2.0 U	6.61	0.24	-76.2	0.754	5.37	12.30
Area 3	G6M-03-07X	2/10/2016	1.0 U	1.0 U	1.0 U	1.80	1.0 U	0.78 J	10 U	5.0 J	12,800	461	96.7	1,360	24.7	194	0.18	10 U	2.0 U	6.49	0.84	-68.8	0.704	16.1	11.20
Area 3	G6M-03-07X	6/16/2016	1.0 U	0.61 J	0.73 J	1.50	1.0 U	0.73 J	1.1 U	1.0 U	28,000	440	90	1,600	26	200	0.05 U	0.8 U	1.0 U	6.46	0.29	-71.9	0.759	9.0	17.00
Area 3	G6M-03-07X	11/10/2016	1.0 U	1.0 U	0.44 J	1.4	1.0 U	0.63 J	1.1 U	16	23,000	420	81	1,400	22	170	0.05 UJ	1.0 U	1.0 U	5.50	0.29	-86	0.48	17.4	14.89
Area 3	G6M-04-02X	9/23/2004	1,900	2U	3.8	2U	1U	2U	-	-	-	5U	1U	86	-	-	-	-	-	6.59	7.25	152.4	0.704	9.52	13.09
Area 3	G6M-04-02X	9/28/2005	1,800	5U	5U	5U	5U	5U	-	-	-	5U	1U	15U	-	-	-	-	-	5.21	6.54	294	0.607	12	18.36
Area 3	G6M-04-02X	9/20/2006	1,100	170	2.2	2U	1U	2U	-	-	-	5U	0.10U	24	-	-	-	-	-	5.22	2.88	-101.5	0.696	10.61	17.15
Area 3	G6M-04-02X	9/14/2007	710	98	290	21	1U	2U	-	-	-	48	16	13,000	-	-	-	-	-	6.52	2.91	-31.3	1.356	2.3	15.3
Area 3	G6M-04-02X	10/16/2008	320	47	290	5U	5U	5U	-	-	-	135	56.6	6,530	-	-	-	-	-	6.32	0.74	-143.6	1.302	3.8	15.75
Area 3	G6M-04-02X	10/15/2009	400	110	15	8U	8U	8U	-	-	-	78.3	20.8	3,580	-	-	-	-	-	6.19	0.9	-25	1.011	4.0	14.12
Area 3	G6M-04-02X	10/6/2010	380	54	27	20U	20U	20U	-	-	-	182	40.2	5,530	-	-	-	-	-	6.25	0.51	-50.1	1.071	3.53	13
Area 3	G6M-04-02X	6/8/2011	-	-	-	-	-	-	-	-	-	317	42.7	4,540	-	-	-	-	-	6.44	0.76	-95.9	0.678	1.9	13.61
Area 3	G6M-04-02X	10/5/2011	630	93	13U	13U	13U	13U	-	-	-	172	18.1	4,370	-	-	-	-	-	6.24	0.41	1	0.669	6.6	15.18
Area 3	G6M-04-02X	5/8/2012	-	-	-	-	-	-	-	-	-	225	15.5	3,980	-	-	-	-	-	6.36	0.2	-25.6	0.475	1.12	14.93
Area 3	G6M-04-02X	10/12/2012	160	30	5.0U	5.0U	5.0U	5.0U	-	-	-	228	16.9	4,890	-	-	-	-	-	6.33	0.44	-33.5	0.534	2.02	15.92
Area 3	G6M-04-02X	5/21/2013	-	-	-	-	-	-	-	-	-	143	7.29	5,400	-	-	-	-	-	5.98	0.36	18.3	0.699	0.74	13.55
Area 3	G6M-04-02X	10/17/2013	140	31	5.7	4.0U	4.0U	4.0U	-	-	-	231	20.6	6,800	-	-	-	-	-	5.70	0.37	-12.3	0.485	3.75	15.8
Area 3	G6M-04-02X	6/11/2014	-	-	-	-	-	-	-	-	-	137	13.9J	5,900	-	-	-	-	-	6.15	0.62	4.5	0.795	2.48	18.26
Area 3	G6M-04-02X	10/30/2014	480	70	33	0.5U	0.5U	2.7J	-	-	-	160	40.5	5,980	-	-	-	-	-	6.34	0.28	-63.1	0.628	1.86	19.03
Area 3	G6M-04-02X	6/18/2015	62	20.3	15.7	0.50 U	0.50 U	1.8	-	-	-	362	82.4	7,220	-	-	-	-	-	6.300	0.320	-101.0	0.500	10.900	13.09
Area 3	G6M-04-02X	9/11/2015	16	7.4	8.8	1.0 U	1.0 U	1.8	10 U	10 U	7,390	343	91.4	6,920	3.3	-	0.067 J	0.87 J	2.0 U	6.590	0.390	-147.8	0.663	2.500	14.02
Area 3	G6M-04-02X	10/16/2015	105	30.5	1.0 U	1.0 U	1.0 U	1.6	-	-	-	237	65.8	7,570	-	-	-	-	-	6.320	0.230	-56.1	0.818	2.430	12.79
Area 3	G6M-04-02X	2/10/2016	333	60.2 J	12.3	2.0 U	2.0 U	1.5 J	10 U	10 U	4,410 J	118	28.3	8,730	2.1	118.0	0.11	10.1	2.0 U	6.740	0.870	-112.9	0.536	10.800	10.04
Area 3	G6M-04-02X	6/13/2016	120	48.0	23.0	1.0 U	1.0 U	3.40	-	-	-	200	44.0	8,000	-	-	-	-	-	6.43	0.34	-56.2	0.875	1.59	13.40
Area 3	G6M-04-02X	11/10/2016	160	60	58	0.37 J	1.0 U	8.40	-	-	-	180.00	48.00	9100.00	-	-	-	-	-	6.62	0.51	-67.3	0.629	4.32	10.3
Area 3	G6M-04-04X	9/24/2004	2,300	7.8	24	2U	1U	2U	0.037	0.12	13	5U	1UJ	560	1U	10U	5.5	20	2U	5.75	5.05	197.3	1.637	169	12.51
Area 3	G6M-04-04X	9/29/2005	1,600	5.4	15	2.5U	2.5U	2.5U	0.018J	0.06	0.44	5U	1U	430	0.5J	5.3	1.4	23	1U	5.34	5.66	295.9	1.666	7.39	13.87
Area 3	G6M-04-04X	9/19/2006	1,600	45	260	2U	1U	2U	0.12	0.095	33	110	84	31,000	120	190	0.2U	10.2	1.6	6.22	0.32	-71.5	1.765	7.64	13.53
Area 3	G6M-04-04X	9/13/2007	600	130	210	2.0	1.2	300	0.005J	7.0	18,000	280	130	25,000	63	270	0.2U	890	1.2	6.57	3.2	-186.6	2.398	3.5	13.04
Area 3	G6M-04-04X	10/16/2008	6.0	8.1	48	2.8	2.5U	150J	1.3U	62	18,000	523	248	19,300	34.6U	520	0.10U	7	0.03UJ	6.40	2.39	-106.2	2.239	4.0	13.16
Area 3	G6M-04-04X	10/15/2009	0.5U	0.5U	4.8	5.2	0.5U	6.9	1.3U	61	38,000J	615	239	16,800	32	520	0.13U	23J	0.03UJ	6.47	0.86	-123.0	1.744	5.0	14.24
Area 3	G6M-04-04X	10/5/2010	0.5U	0.5U	2.8	2.6	0.5U	3.2	1.2U	210	52,000J	529	155	16,900	15	81J	0.13U	5.0U	0.03U	6.35	0.40	-112.0	2.133	3.1	13.59
Area 3	G6M-04-04X	10/5/2011	0.5U	0.5U	1.1	4.1	0.5U	2.7	1.2U	160	31,000J	615	145	16,400	17	350J	0.13U	5.0U	0.049	6.61	0.10	-88	1.042	5	12.99
Area 3	G6M-04-04X	10/11/2012	0.5U	0.5U	0.80	3.7	0.5U	2.6	1.3U	460	51,000	590	133	15,700	13	220	0.13U	5.0U	0.052	6.66	0.39	-108.6	1.693	1.53	14.02
Area 3	G6M-04-04X	10/16/2013	0.5U	0.5U	1.8	3.1	0.5U	3.0	3.5	420	44,000	601	114	11,000	11	240	0.13U	0.94J	0.049	6.57	0.24	-109.9	1.345	4.75	10.96
Area 3	G6M-04-04X	10/30/2014	0.5U	0.5U	0.5U	1.7	0.5U	0.39J	1.2U	85	43,000	453	113	8,520	9.0J	180	0.098J	0.18J	0.03U	6.59	0.42	-145.8	1.537	6.54	11.41

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 3	G6M-04-04X	9/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.91 J	10 U	32.6	9,170	486	11.9 J	10,700 J	7.50	-	0.068 J	3.4 J	2.0 U	6.7	0.28	-180.4	1.264	3.25	14.95
Area 3	G6M-04-04X	10/16/2015	0.76 J	1.0 U	1.0 U	1.0 U	2.80	1.0 U	10 U	61.3	20,000	505	115	10,000	8.5	167	0.11 U	1.6 J	2.0 U	5.99	0.57	-114.6	1.727	3.13	10.70
Area 3	G6M-04-04X	2/19/2016	1.0 U	1.0 U	0.50 J	2.8	1.0 U	1.0	10 U	65.1	13,900	550	114	9,760	7.3	278	0.10	1.3 J	2.0 U	7.68	1.29	-38.7	1.173	3.97	11.53
Area 3	G6M-04-04X	6/16/2016	1.0 U	1.0 U	0.65 J	1.0 U	1.0 U	1.1	9.2	86	31,000	580	120	10,000	8.6	160	0.05 U	30.0	1.0 U	6.51	1.46	-108.1	1.407	4.2	16.19
Area 3	G6M-04-04X	11/8/2016	1.0 U	1.0 U	0.43 J	1.2	1.0 U	0.57 J	3.0	38	20,000	530	120	9,700	7.3	180	0.05 UJ	1.0 U	4.4	6.01	0.32	-106.9	1.402	3.49	13.83
Area 3	G6M-13-03X	1/30/2014	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	5.58	0.69	205	0.2483	1.11	10.87
Area 3	G6M-13-03X	10/30/2014	0.5J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5U	0.0285U	407	-	-	-	-	-	6.39	1.65	183.6	0.1922	15.3	6.67
Area 3	G6M-13-03X	10/16/2015	0.57 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	100 U	362	-	-	-	-	-	5.53	1.58	157.6	2.539	36.6	11.90
Area 3	G6M-13-03X	11/10/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	2.2 J	0.45	420	-	-	-	-	-	4.15	0.43	40	1.54	31.6	12.48
Area 4	G6M-02-03X	2/26/2002	210	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	11.61	2.21	11	1.154	18.1	18.88
Area 4	G6M-02-03X	9/23/2004	48	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	4.95	1.17	632.1	1.374	3.8	17.6
Area 4	G6M-02-03X	9/29/2005	12	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.70	2.9	204.9	1.138	10.67	17.62
Area 4	G6M-02-03X	9/18/2006	10	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.20	0.35	219.4	0.993	4.32	14.39
Area 4	G6M-02-03X	9/14/2015	0.82 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	284	4.0 U	0.10 U	79	1.10	-	1.30	9.7 J	2.0 U	5.67	5.09	93.2	0.722	3.00	14.06
Area 4	G6M-02-03X	6/16/2016	-	-	-	-	-	-	-	-	-	3.0 U	0.05 U	310	-	-	-	-	-	4.87	0.45	139.6	1.658	19.87	16.74
Area 4	G6M-02-03X	11/8/2016	-	-	-	-	-	-	-	-	-	3.0 U	0.029 J	99	-	-	-	-	-	7.58	1.03	-53.7	0.96	3.88	11.73
Area 4	G6M-02-04X	2/26/2002	470	0.88J	1.3J	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.47	3.4	189.5	0.26	24	17.99
Area 4	G6M-02-04X	9/23/2004	170	2U	2.9	2U	1U	2U	-	-	-	5U	1U	15U	-	-	-	-	-	6.29	3.03	175.5	0.453	8.48	19.59
Area 4	G6M-02-04X	9/28/2005	150	2U	6.2	2U	1U	2U	-	-	-	5U	1U	15U	-	-	-	-	-	5.61	2.75	302.3	0.502	12.6	17.26
Area 4	G6M-02-04X	9/20/2006	48	2U	2U	2U	1U	2U	-	-	-	5U	0.10U	15U	-	-	-	-	-	5.84	4.57	189	0.467	8.45	14.49
Area 4	G6M-02-04X	9/13/2007	21	4.2	2U	2U	1U	2U	-	-	-	6U	0.1U	15	-	-	-	-	-	6.39	3.13	93	0.927	4.8	14.85
Area 4	G6M-02-04X	10/16/2008	9.0	2.5U	150	2.5U	2.5U	2.5U	-	-	-	78.2	8.56	7,370	-	-	-	-	-	6.91	1.05	-80	1.126	4.0	12.08
Area 4	G6M-02-04X	10/15/2009	5U	17	120	5U	5U	10	-	-	-	309	82	10,900	-	-	-	-	-	6.55	1.52	-139.8	0.766	2.18	15.6
Area 4	G6M-02-04X	10/4/2010	5.3	2.6	2.1	0.5U	0.5U	0.5U	-	-	-	101	20.2	1,240	-	-	-	-	-	6.48	0.98	-86.9	0.975	2.8	14.68
Area 4	G6M-02-04X	6/9/2011	-	-	-	-	-	-	-	-	-	246	28.2	3,180	-	-	-	-	-	6.67	0.28	-88.3	0.856	0	13.32
Area 4	G6M-02-04X	10/6/2011	0.69	0.80	0.67	0.5U	0.5U	0.5U	-	-	-	292	35.6	2,480	-	-	-	-	-	6.84	0.26	-112.5	0.601	3.71	12.68
Area 4	G6M-02-04X	5/9/2012	-	-	-	-	-	-	-	-	-	451	43.4	2,510	-	-	-	-	-	6.94	0.52	-114.8	0.487	2.9	13.7
Area 4	G6M-02-04X	10/9/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	374	30	1,860	-	-	-	-	-	6.87	0.43	-129.3	0.591	0	13.4
Area 4	G6M-02-04X	5/21/2013	-	-	-	-	-	-	-	-	-	313	28.1	1,890	-	-	-	-	-	6.88	0.3	-110.5	0.745	2.26	13.62
Area 4	G6M-02-04X	10/16/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	370	23.9	1,390	-	-	-	-	-	6.92	0.38	-124.4	0.522	1.32	13.21
Area 4	G6M-02-04X	6/11/2014	-	-	-	-	-	-	-	-	-	175	14.2	997	-	-	-	-	-	6.60	0.59	-10.8	0.956	3.35	13.12
Area 4	G6M-02-04X	11/3/2014	0.5U	0.24J	0.5U	0.5U	0.5U	0.5U	-	-	-	350	15.6	971						7.08	1.42	-111.1	0.55	1.38	14.70
Area 4	G6M-02-04X	6/26/2015	0.60 J	0.52 J	0.91 J	0.50 U	0.50 U	0.50 U				157	10.4	1,060						7.39	0.71	-55.4	1.238	1.55	14.70
Area 4	G6M-02-04X	9/14/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	4,350	408	20.4	995	1.60		0.057 U	9.6 J	2.0 U	7.01	0.40	-152.4	0.40	1.30	14.56
Area 4	G6M-02-04X	10/16/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	320	15.1	1,000	-	-	-	-	-	6.78	0.43	-97.3	0.665	0.86	13.02
Area 4	G6M-02-04X	2/12/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	964	353	22	1,370	1.1	42.3	0.12	8.0 J	2.0 U	7.08	0.79	-79.7	0.711	1.94	11.26
Area 4	G6M-02-04X	6/15/2016	1.0 U	0.59 J	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	470	27	1,400	4.4	250	0.05 U	0.8 U	1.0 U	6.88	0.30	-106.2	1.031	2.84	16.74
Area 4	G6M-02-04X	11/8/2016	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	-	-	-	470	21	1,100						7.00	0.89	-153.6	0.268	2.57	13.15
Area 4	G6M-02-13X	8/2/2002	4,600	4	2U	2U	1U	2U	-	-	-	5U	-	-	-	-	-	-	-	6.17	0.54	141	0.665	7.62	13.98
Area 4	G6M-02-13X	9/23/2004	5,000	13	16	2U	1U	2U	0.27	0.15	57	5U	1U	1,200	1U	31	2.3	17	1.8J	6.37	0.34	170.8	0.618	2.14	16.73
Area 4	G6M-02-13X	12/13/2004	4,600	14	21	2U	1U	2U	0.27	0.11	88	5U	1U	1,300	5U	34	2.5	16M	2U	5.79	0.89	274.8	0.518	2.63	18.3
Area 4	G6M-02-13X	3/30/2005	2,100	64J	210	100U	50U	100U	0.16	0.11	38	36	4.2	4,000	8.1	60	0.23	13	2U	5.97	0.89	-22.6	0.735	2.91	15.02
Area 4	G6M-02-13X	8/11/2005	2,300	190	460	5.9	2U	2U	0.026	0.045	46	150	34J	12,000J	66	230	0.05U	2.3	1U	5.82	0.74	-68.8	0.897	5.6	14.76
Area 4	G6M-02-13X	9/29/2005	3,700	120	470	10U	10U	10U	0.16	0.12	420	74	22	6,800	37	110	0.05U	8.9	2.4	6.41	1.26	-89.1	0.71	6.99	15.48
Area 4	G6M-02-13X	12/14/2005	210	50	850	2U	2	2U	0.057	0.087	11,000	477	200J	36,200	290	420	0.083	2U	8.2	6.6	0.11	-134.4	1.389	0.6	15.43
Area 4	G6M-02-13X	3/22/2006	660	37J	640	2U	1U	2U	0.025U	0.009J	21,000	320	170	29,000	280	480	0.2U	8.08	3.0	6.67	0.9	-214.4	1.379	2.37	14.28
Area 4	G6M-02-13X	6/22/2006	160	8.8	440	2U	1U	280	0.025J	0.51	25,000	750	420	30,000	140	480	0.2U	1.15	20	6.54	0.28	-138.7	2.175	16.1	14.68
Area 4	G6M-02-13X	9/18/2006	550	52	160	2U	1U	280	0.15	1.1	24,000	420	160	9,900	52	140	0.2U	8.09	2.8	6.12	0.36	-119.3	1.19	6.9	13.37
Area 4	G6M-02-13X	12/14/2006	460	20	190	2U	1U	220	0.025	0.35	23,000	460	260	12,000	140	-	-	4.25	3.6	6.49	0.19	-73.7	1.748	8.3	10.99
Area 4	G6M-02-13X	3/27/2007	460	39	120	2U	1U	170	0.031	3.7	27,000	400	170	8,400J	37	-	-	9.74	1.6	6.08	0.12	-14.6	1.378	11.2	13.81
Area 4	G6M-02-13X	6/13/2007	440	45	48	2U	1U	46	0.025U	6.3	26,000	380	300	9,400	78	-	-	12.7	3.6	6.58	0.46	-178.7	1.926	47.5	12.34

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 4	G6M-02-13X	9/13/2007	510	150	120	2U	1U	53	0.14	26	20,000	230	88	4,800	18	74	0.2U	480	1U	6.54	0.45	-145.3	1.332	18.2	13.69
Area 4	G6M-02-13X	12/14/2007	690	84J	58J	2U	1U	21J	0.068	21	16,000	210	46	4,500	11	-	-	13	1U	6.51	0.27	-133.2	1.133	3.6	14.17
Area 4	G6M-02-13X	3/12/2008	130	96	29	2U	1U	12	0.092	35	21,000	260	68	7,600	17	-	-	9	1U	6.48	0.57	-140.5	1.221	7.7	14.51
Area 4	G6M-02-13X	10/6/2008	5U	9.7	7.9	5U	5U	7.5	6.5U	8.8	14,000	380	91	4,940	24.3	300	0.13U	11	0.03UJ	6.56	0.28	-173.6	1.071	5.2	13.58
Area 4	G6M-02-13X	1/21/2009	1.4U	5	5.4	1.3U	1.7U	5.7	.25U	3.8	17,000	371	72.1J	3,990	11J	200	0.13U	14	0.03U	6.88	0.28	-121.2	0.821	4	13.07
Area 4	G6M-02-13X	5/6/2009	0.5U	5.1	9.8	0.24J	0.5U	6.2	1.2U	2.6	26,000	351	69.4	3,820	9.4J	300J	0.012J	12	0.03U	6.01	0.29	-93.4	0.916	2.09	14.16
Area 4	G6M-02-13X	10/15/2009	0.92	8.6	16	0.7	0.5U	8.5	1.2U	2.2	7,400	369	93.3	6,800	7J	370	0.13U	13	0.03UJ	6.47	0.24	-148.8	0.932	1.71	14.48
Area 4	G6M-02-13X	4/20/2010	0.5U	0.29J	14	0.42J	0.5U	13	1.3U	6.4	44,000	322	134J	5,790	36	500	0.13U	5.0U	0.03U	6.47	0.28	-7.3	1.219	2.98	14.34
Area 4	G6M-02-13X	10/4/2010	0.30J	1.6	8.3	0.24J	0.5U	8.4	1.2U	9.5	48,000	281	58.5	4,690	10U	370	0.046J	3.3J	0.03U	6.57	0.18	-124.5	1.168	0.90	13.69
Area 4	G6M-02-13X	6/9/2011	-	-	-	-	-	-	-	-	-	302	72.3	6,820	-	-	-	-	-	6.49	0.21	-110.8	1.21	2.19	13.41
Area 4	G6M-02-13X	10/6/2011	0.5U	0.5U	0.96	0.5U	0.5U	2.4	1.2U	1.5U	12,000	258	36.2	5,690	6.7J	110	0.13U	0.45J	0.056	6.65	0.07	-94.6	1.235	2	14.62
Area 4	G6M-02-13X	5/9/2012	-	-	-	-	-	-	-	-	-	205	25.9	6,670	-	-	-	-	-	7	0.16	-118.5	1.281	1.01	11.53
Area 4	G6M-02-13X	10/11/2012	0.5U	0.83	0.69	0.5U	0.5U	0.5U	1.3U	87	22,000	159	24.9	8,190	2.7J	380	0.013J	5.0U	0.03U	6.68	0.34	-109.8	1.195	0	12.32
Area 4	G6M-02-13X	5/21/2013	-	-	-	-	-	-	-	-	-	212	22.3	12,500	-	-	-	-	-	6.88	0.12	-118	0.9	4.89	11.97
Area 4	G6M-02-13X	10/16/2013	0.5U	0.78	1.8	0.27J	0.5U	1.1	1.8	3.9	34,000	140	19.1	11,400	2.5J	350	0.13U	5.0U	0.037	6.87	0.37	-110	0.916	0	11.96
Area 4	G6M-02-13X	6/11/2014	-	-	-	-	-	-	-	-	-	195	20.4	15,800	-	-	-	-	-	6.74	0.27	-85	0.958	3.92	13.63
Area 4	G6M-02-13X	10/29/2014	0.5U	1.3	2.8	0.5U	0.5U	1.8	1.2U	1.5U	7,300	128	12J	7,920J	5U	280	0.13U	0.61J	0.03U	6.86	0.26	-81	0.822	6.49	-
Area 4	G6M-02-13X	6/23/2015	0.50 U	1.7	3.4	0.50 U	0.50 U	2.5	5.0 U	5.0 U	1,840	142	12.5	11,100	2.90	250	0.11 U	2.6 J	1.0 U	6.74	1.24	-107.2	0.817	5.37	14.62
Area 4	G6M-02-13X	9/11/2015	1.0 U	2.8	5.2	1.0 U	1.0 U	4.9	10 U	10 U	832	142	10.5	9,980	2.30		0.067 J	0.52 J	2.0 U	6.45	0.25	-76.0	0.619	2.85	13.41
Area 4	G6M-02-13X	10/16/2015	1.0 U	3.6	1.0 U	1.0 U	1.0 U	3.3	10 U	10 U	473	114	9.77	12,300	3.2	261	0.11 U	1.5 J	2.0 U	6.84	0.31	-87.2	0.667	2.90	8.40
Area 4	G6M-02-13X	2/12/2016	4.5	13.7	13.2	0.51 J	1.0 U	7.7	10 U	10 U	500	145	10.2	11,100	2.1	252	0.11	10 U	2.0 U	7.02	0.59	-102.3	0.671	2.00	9.48
Area 4	G6M-02-13X	6/16/2016	1.0 U	22.0	20.0	0.65 J	1.0 U	9.4	0.87 J	8.2	3,400	96	7.90	11,000	2.4	210	0.05 U	0.8 U	1.0 U	7.03	0.66	-86.6	0.618	4.63	16.47
Area 4	G6M-02-13X	11/8/2016	1.0 U	9.7	65	0.59 J	1.0 U	23	1.1 U	7.8	1,500	110	7.70	12,000	1.7	190	0.05 U	0.63 J	1.0 U	6.98	0.77	-152.9	0.383	2.97	12.31
Area 4	G6M-06-01X	3/30/2006	30	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.03	3.73	-87.8	0.652	70.7	8.22
Area 4	G6M-06-01X	3/30/2007	72	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.73	2.87	138.5	1.005	10.21	10.01
Area 4	G6M-06-01X	9/13/2007	83	2U	2.1	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.60	10.68	-93.9	0.967	6.3	12.69
Area 4	G6M-06-01X	12/14/2007	110	2U	2.3	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.96	2.43	132.9	0.991	3.9	17.46
Area 4	G6M-06-01X	10/16/2008	71	1.8	1.4	1U	1U	1U	-	-	-	-	-	-	-	-	-	-	-	5.51	3.08	118.6	0.956	20	10.8
Area 4	G6M-06-01X	10/15/2009	170	28	6.3J	8U	8U	8U	-	-	-	8U	0.321	50U	-	-	-	-	-	5.82	2.69	85.3	0.832	0.13	13.69
Area 4	G6M-06-01X	10/4/2010	120	3.4J	7.2	4U	4U	4U	-	-	-	5U	0.211U	33.2U	-	-	-	-	-	6	1.72	57.1	1.16	25.1	13.21
Area 4	G6M-06-01X	6/8/2011	190	7.7	7.2	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	5.81	1.39	122	0.979	4.01	17.13
Area 4	G6M-06-01X	10/6/2011	96	30	46	1.3U	1.3U	3.5	-	-	-	3.7J	0.139	38.5	-	-	-	-	-	6.22	0.59	40.8	0.825	13.1	11
Area 4	G6M-06-01X	5/8/2012	310	18	16	10U	10U	10U	-	-	-	5U	0.1U	9.4J	-	-	-	-	-	6.14	0.65	87.4	0.943	2.59	13.07
Area 4	G6M-06-01X	10/10/2012	180	7.6	9.1	4.0U	4.0U	4.0U	-	-	-	5U	0.0522 J	8.8 J	-	-	-	-	-	5.94	0.54	56.2	0.819	2.61	10.6
Area 4	G6M-06-01X	5/21/2013	170	30	17	5.0U	5.0U	2.0J	-	-	-	5U	0.1U	25U	-	-	-	-	-	5.96	0.36	81	1.058	8.89	13.06
Area 4	G6M-07-01X	10/15/2008	26	0.24J	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	7.78	2.22	53.9	0.591	608	12.35
Area 4	G6M-07-01X	10/20/2009	21	15	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	7.44	4.11	171.9	0.532	283	27.28
Area 4	G6M-07-01X	10/7/2010	50	0.31J	0.25J	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	7.03	3.62	139	0.414	4.78	10.05
Area 4	G6M-07-01X	10/5/2011	11	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	11.5J	-	-	-	-	-	7.06	4.43	72.9	0.285	130	11.95
Area 4	G6M-07-01X	10/12/2012	19	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	.0886 J	10.8 J	-	-	-	-	-	6.92	3.56	59	0.437	30.2	11.92
Area 4	G6M-07-01X	10/17/2013	15	0.37J	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	5.4J	-	-	-	-	-	6.86	4.34	95.1	0.45	16.4	12.71
Area 4	G6M-13-02X	1/30/2014	120	20	34	0.34J	0.5U	14	-	-	-	-	-	-	-	-	-	-	-	6.44	0.88	53.9	1.099	3.11	16.01
Area 4	G6M-13-02X	6/11/2014	170	54	81	0.53	0.29J	6	-	-	-	3.2J	0.472	32.5	-	-	-	-	-	6.05	0.71	144.8	0.9	4.29	11.56
Area 4	G6M-13-02X	11/3/2014	210	39	95	5U	5U	6.7	-	-	-	2.5U	0.146UJ	20.3J	-	-	-	-	-	6.31	1.3	75.8	0.625	2.27	5.69
Area 4	G6M-13-02X	6/26/2015	105	49.6	38.1	0.50 U	0.50 U	1.10				2.1 J	0.050 U	9.4 J						5.99	1.03	101.6	0.917	9.69	17.13
Area 4	G6M-13-02X	10/16/2015	70	31	1.0 U	1.0 U	1.0 U	1.4 J	-	-	-	4.0 U	0.087	15	-	-	-	-	-	6.27	0.35	72	1.069	2.97	8.03
Area 4	G6M-13-02X	2/22/2016	85.8	24.6	21.1	0.54 J	1.0 U	0.65 J	10 U	10 U	3,560	4.0 U	0.10 U	21.9	0.81 J	56.4	0.28	15.9	2.0 U	6.23	0.9	21.6	0.818	4.89	11.54
Area 4	G6M-13-02X	6/16/2016	77	34	61.0	0.89 J	1.0 U	1.50	-	-	-	1.8 J	0.190	20	-	-	-	-	-	6.17	1.29	3.6	0.937	11.33	16.70
Area 4	G6M-13-02X	11/8/2016	84	27	38	1.0 U	1.0 U	0.93 J	-	-	-	3.0 U	0.05 U	4.7 J						6.30	0.94	-136.1	0.689	2.01	11.9
Area 4	G6M-97-28X	9/14/2015	0.57 J	62.8	37.3	1.60	1.0 U	22.3	10 U	10 U	85.0	4.0 U	0.23	2,110	1.10		0.11 U	12.10	2.0 U	6.21	0.30	67.7	0.256		14.43
Area 4	G6M-97-28X	2/12/2016	1.0 U	1.1	1.4	1.0 U	1.0 U	0.53 J	10 U	10 U	235	47.9	2.49	5,690	1.6	111	0.085 J	4.2 J	2.0 U	6.92	1.99	72.8	0.21	8.64	6.05

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 4	G6M-97-28X	6/16/2016	-	-	-	-	-	-	-	-	-	190	6.0	2,200	-	-	-	-	-	6.68	0.28	-85.3	0.312	2.15	23.12
Area 4	G6M-97-28X	11/8/2016	-	-	-	-	-	-	-	-	-	27	2.2	18,000	-	-	-	-	-	6.72	0.86	-70.9	0.537	11.87	12.8
Area 5	G6M-02-05X	2/28/2002	130	2U	1.9J	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.15	6.61	181.1	0.597	11	15.72
Area 5	G6M-02-05X	1/30/2003	170	2U	2.3	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.65
Area 5	G6M-02-05X	9/30/2005	200	2U	2.6	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	4.73	3.61	441.8	0.512	7.9	15.78
Area 5	G6M-02-05X	9/22/2006	350	2U	2.2	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	5.52	2.14	94.8	0.543	7.38	12.66
Area 5	G6M-02-05X	9/12/2007	510	50	7.9	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.39	0.78	-57.8	0.723	30.6	12.27
Area 5	G6M-02-05X	10/20/2008	390	17	4.4J	10U	10U	10U	-	-	-	-	-	-	-	-	-	-	-	7.00	1.83	-41.9	0.588	3.0	12.42
Area 5	G6M-02-05X	10/19/2009	370	53	10U	10U	10U	10U	1.3U	1.6U	410	49.2	3.82	2,490	10U	57	0.26	19	0.03U	6.22	0.31	30.6	0.699	1.4	12.53
Area 5	G6M-02-05X	10/5/2010	240	100	4.0J	5U	5U	5U	1.2U	1.5U	160	71.2	5.42	2,420	10U	20U	0.025J	13	0.03U	6.25	0.25	-37.5	0.749	5.99	12.27
Area 5	G6M-02-05X	6/8/2011	200	230	78	3.7	0.62	18J	1.2U	10	5,400	105	8.58	2,700	2.6J	180	0.13U	11	0.03U	6.16	0.24	-42.8	0.708	0	12.27
Area 5	G6M-02-05X	10/6/2011	37	140	59	2.0U	2.0U	25	1.2U	15	6,600	125	10.8	2,300	2.1J	530	0.012J	14	0.03U	6.18	0.73	-4.0	0.959	1.4	11.6
Area 5	G6M-02-05X	10/6/2011	37	140	59	2.0U	2.0U	25	1.2U	15	6,600	125	10.8	2,300	2.1J	530	0.012J	14	0.03U	6.18	0.73	-4.0	0.959	1.4	12.36
Area 5	G6M-02-05X	5/9/2012	140	68	17	0.5U	0.5U	0.5U	1.3U	1.6U	3,900	103	8.63	2,060	10U	75	0.13U	14	0.03U	6.19	0.78	9.0	0.682	1.52	12.56
Area 5	G6M-02-05X	10/10/2012	94	44	16	2.0U	2.0U	2.0U	1.2U	1.5U	4,400	73	6.78	1,460	10U	64	0.11J	14	0.03U	6.14	1.92	15.2	0.809	0	11.16
Area 5	G6M-02-05X	5/21/2013	38J	33J	78	0.48J	0.30J	2.3	1.2U	1.5U	2,200	84.1	8.43	1,310	10U	100J	0.13UJ	12	0.03UJ	6.26	0.75	-19.1	0.753	0.77	14.01
Area 5	G6M-02-06X	3/1/2002	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.16	8.91	134.8	0.135	32	12.18
Area 5	G6M-02-06X	9/24/2004	5.5	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.33	9.48	152.8	0.09	0.02	12.31
Area 5	G6M-02-06X	9/30/2005	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.22	8.22	66.4	0.107	4.39	13.26
Area 5	G6M-02-06X	9/21/2006	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.30	7.84	139.3	0.098	10.85	11.26
Area 5	G6M-02-06X	9/14/2007	2U	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	6.94	8.5	-140.7	0.149	7.7	10.88
Area 5	G6M-02-06X	10/20/2008	0.47J	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	7.09	7.71	88.8	0.109	6.5	11.28
Area 5	G6M-02-06X	10/14/2009	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	8U	0.2U	50U	-	-	-	-	-	6.98	8.96	26.1	0.115	0.2	11.43
Area 5	G6M-02-06X	10/5/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	6.90	7.66	63.6	0.128	4.38	11.62
Area 5	G6M-02-06X	10/7/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5J	0.1U	25U	-	-	-	-	-	6.87	6.3	24.7	0.076	18.6	11.76
Area 5	G6M-02-06X	10/10/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	7.11	8.89	16.8	0.134	10.53	11.39
Area 5	G6M-02-06X	10/15/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	7.36	9.84	110.9	0.134	2.62	12.86
Area 5	G6M-02-06X	10/30/2014	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.155U	6.0J	-	-	-	-	-	7.21	7.73	73.1	0.101	2.18	13.93
Area 5	G6M-02-06X	10/19/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.10 U	15 U	-	-	-	-	-	7.29	8.05	82.5	0.114	2.23	12.89
Area 5	G6M-02-06X	11/11/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05 U	3.0 U	-	-	-	-	-	7.86	6.8	-32.7	0.84	4.92	9.57
Area 5	G6M-02-07X	2/26/2002	24	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.34	-0.68	110.3	0.259	46	11.54
Area 5	G6M-02-07X	9/23/2004	26	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.26	1.72	332.8	0.423	25	12.39
Area 5	G6M-02-07X	9/30/2005	16	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.69	6.98	121.2	0.389	7.7	11.08
Area 5	G6M-02-07X	9/21/2006	11	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.58	3.72	143.6	0.251	14.3	10.8
Area 5	G6M-02-07X	9/13/2007	12	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.68	3.78	43.3	0.334	3	10.49
Area 5	G6M-02-07X	10/20/2008	9.8J	0.27J	0.5UJ	0.5UJ	0.5UJ	0.5UJ	-	-	-	-	-	-	-	-	-	-	-	7.46	3.15	42.8	0.271	12	10.50
Area 5	G6M-02-07X	10/15/2009	6.7J	210	10U	10U	10U	10U	-	-	-	8U	0.127U	50U	-	-	-	-	-	7.41	1.15	-14	0.413	3	11.54
Area 5	G6M-02-07X	1/15/2010	5.7	0.5U	0.5U	0.75U	0.75U	1.0U	-	-	-	-	-	-	-	-	-	-	-	7.53	3.26	150.2	0.344	1.88	11.62
Area 5	G6M-02-07X	10/5/2010	4.7	0.24J	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	7.39	2.57	60.3	0.296	1.33	11.83
Area 5	G6M-02-07X	10/3/2011	3.6	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	7.54	1.58	26.6	0.198	5.12	11.79
Area 5	G6M-02-07X	10/11/2012	4.6	0.5U	0.57	0.5U	0.5U	0.5U	-	-	-	5U	0.0278J	25U	-	-	-	-	-	7.68	1.31	98.1	0.352	2.69	-
Area 5	G6M-02-07X	10/15/2013	1.1	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.9J	0.1U	5.1J	-	-	-	-	-	7.62	2.39	99.8	0.911	1.05	-
Area 5	G6M-02-07X	10/29/2014	3.9	0.27J	0.62	0.5U	0.5U	0.5U	-	-	-	2.4J	0.025U	7.8J	-	-	-	-	-	7.41	0.22	10.9	0.535	3.71	11.44
Area 5	G6M-02-07X	10/19/2015	4.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.10 U	15 U	-	-	-	-	-	7.64	0.35	75.3	0.362	3.69	15.95
Area 5	G6M-02-07X	11/11/2016	5.4	0.75 J	1.0	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05	11	-	-	-	-	-	7.86	6.8	-32.7	0.084	4.92	9.57
Area 5	G6M-02-11X	8/1/2002	450	2.8	2U	2U	1U	2U	-	-	-	5U	-	-	-	-	-	-	-	6.01	0.46	184	0.984	8.13	13.9
Area 5	G6M-02-11X	8/28/2002	540J	2U	2U	2U	1U	2U	-	-	-	5U	-	-	5U	44	-	-	-	6.05	0.51	173	0.905	6.49	10.7
Area 5	G6M-02-11X	10/29/2002	970	22	3	2U	1U	2U	-	-	-	5U	1U	1700	5U	51	0.10U	17	2.0U	6.02	0.49	51	0.92	5.04	13.2
Area 5	G6M-02-11X	2/3/2003	710	22	2U	20U	1U	2U	-	-	-	5U	1U	-	5U	65	-	-	-	6.22	0.71	178	0.971	12.7	14.12
Area 5	G6M-02-11X	7/16/2003	530	54	33	2U	1U	2U	0.005U	0.014	460	5U	1U	-	5U	120	-	16M	2.0U	6.31	0.86	166	0.813	11.9	16.05
Area 5	G6M-02-11X	9/26/2003	590	31	37	2U	1U	2U	0.005U	0.005U	1,200	5U	-	1,700	19	-	-	-	-	6.60	0.41	146	0.921	7.2	8.61

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	G6M-02-11X	1/8/2004	300	15	49	2U	1U	2U	0.005U	0.0093	2,300	5U	1U	1,900	5U	150	-	12J	2.0U	6.29	0	104	0.729	0.6	6.55
Area 5	G6M-02-11X	3/10/2004	160	11	53	2U	1U	2U	0.005U	0.068	14,000	5U	1U	2,200	1.8	130	-	9.6	2U	6.39	0.82	103	0.847	7.5	15.58
Area 5	G6M-02-11X	6/4/2004	440	23	54	2U	1U	2U	0.005U	0.01	2,300	5U	1U	1,900	2.4J	110	-	12	1.9J	6.72	12.13	54.5	0.807	21.3	13.72
Area 5	G6M-02-11X	9/22/2004	540	50	140	2U	1U	2U	0.005U	0.005U	13,000	5U	1U	2,400	1.2	100	0.5U	12	1.5J	6.19	0.96	412.7	0.996	1.25	11.09
Area 5	G6M-02-11X	12/15/2004	760	47	120	2U	1U	2U	0.005U	0.021	9,700	5U	1U	2,100	5U	95	1	15	2U	6.35	1.36	200.1	0.675	21.2	13.83
Area 5	G6M-02-11X	3/28/2005	1,100	41	45	40U	40U	40U	0.005U	0.065	10,000	5U	1U	2,200	3.6J	90	0.2U	13	2UJ	6.19	1.02	84.3	0.938	48.3	16.04
Area 5	G6M-02-11X	7/1/2005	1,500	90	280	10U	10U	10U	0.028	0.42	15,000	2.1	1UJ	1,800	9.4	98.4	0.05U	14	1U	5.78	0.37	221.6	0.806	6.66	14.87
Area 5	G6M-02-11X	9/27/2005	240	78	260	2U	1U	16	0.020J	8.1	21,000	5U	1U	2,500	3.4	148	0.05U	5.9J	1U	5.92	0.4	93.6	0.755	0.69	13.00
Area 5	G6M-02-11X	12/12/2005	220	28	50	2U	1U	9.1	0.082	29	24,000	7.8	0.2J	3,100	5.5	270	1.3J	3.5	1U	6.28	0.18	64.8	1.107	8.9	12.95
Area 5	G6M-02-11X	3/21/2006	520	94	230	2.3	1U	60	0.025U	34	17,000	5U	0.1U	1,500	8.2	120	0.2U	8.81	1U	6.45	12	326.6	0.765	7.15	14.52
Area 5	G6M-02-11X	6/22/2006	130	44	20	20	1U	9.2	0.051	78	22,000	5U	1U	6,300	6.1	210	0.2U	2.45	1U	6.19	0.27	59.7	1.231	5.04	14.02
Area 5	G6M-02-11X	9/22/2006	37	17	8.6	2.8	1U	4	0.089	15	21,000	6.9	0.58	9,300	9.8	180	0.2U	4.87	1U	5.93	1.22	-158.9	1.079	4.55	12.97
Area 5	G6M-02-11X	12/13/2006	45	7.9	3.6	4.4	1U	2U	0.24	19	28,000	22	1	16,000	9.3	-	-	1.06	1.2	6.39	0.19	169.6	1.277	6.94	13.71
Area 5	G6M-02-11X	3/27/2007	38	21	3.6	9.8	1U	2U	6.8	28	23,000	120	7.1	24,000J	10	-	-	-	-	6.25	0.61	-39.6	0.912	19	12.57
Area 5	G6M-02-11X	6/13/2007	30	28	12	10	1U	2.8	4.8	33	27,000	310	6.8	18,000	12	-	-	9.62	1.6	6.22	0.65	-36.4	1.198	2.1	11.24
Area 5	G6M-02-11X	9/11/2007	4.4	24	7.9	12	1U	4.3	2.8	36	30,000	420	18	18,000	14	270	0.2U	470	1U	6.24	3.52	-11.1	1.423	9.7	10.99
Area 5	G6M-02-11X	12/13/2007	2.8J	19J	6J	5.5J	1U	4.4J	8.3	16	29,000	470	47	18,000	15	-	-	5U	1	6.36	0.52	-117.9	1.409	0.5	11.79
Area 5	G6M-02-11X	3/11/2008	2U	6.2	2.5	9.7	1U	2U	24	5.8	28,000	570	59	27,000	17	-	-	5U	2.8	6.35	0.41	-90.5	1.56	0.3	11.69
Area 5	G6M-02-11X	10/16/2008	1.3	7.3	6.9	0.8	0.5U	2.2	1.2U	5.4	39,000	1,170	116	8,420	21.2U	240	0.10U	9.3	0.03U	5.8	1.51	-20.6	0.1535	4.0	13.68
Area 5	G6M-02-11X	5/7/2009	0.5U	0.76	0.47J	0.92	0.5U	0.5U	3.1	3.5	42,000	1,060	125	3,950	31	370J	0.13U	17	0.03U	6.04	0.24	-117.5	1.605	0.32	12.08
Area 5	G6M-02-11X	10/14/2009	0.23J	1.4	0.58	0.63	0.5U	0.46J	1.2U	1.5U	55,000	1,070	126	2,390	8.7J	430	0.13U	9.7	0.03U	6.46	0.52	-114.9	1.342	5.0	11.1
Area 5	G6M-02-11X	4/20/2010	0.5U	1.6	24	0.24J	0.5U	5.8	1.2U	2.0	17,000	1,050	106J	3,760	8.7J	500	0.13U	5U	0.03U	6.75	0.38	-130.5	0.778	1.5	11.58
Area 5	G6M-02-11X	10/5/2010	0.5U	0.94	0.52	0.38J	0.5U	0.66	1.2U	1.5U	47,000	956	93.8	1,590	10U	700	0.13U	1.4J	0.03U	6.51	0.72	-136	1.368	0.86	11.57
Area 5	G6M-02-11X	6/9/2011	-	-	-	-	-	-	-	-	-	804	91.6	2,480	-	-	-	-	-	6.6	0.1	-111.1	1.131	4.53	11.66
Area 5	G6M-02-11X	10/3/2011	0.5U	0.5U	0.64	0.5U	0.5U	1.2	1.2U	1.5U	19,000	901	99.9	2,670	7.6J	520	0.13U	5U	0.03U	6.58	0.44	-114.4	0.74	0.95	11.7
Area 5	G6M-02-11X	5/8/2012	-	-	-	-	-	-	-	-	-	769	84.2	2,560	-	-	-	-	-	6.83	0.14	-128.1	1.014	1.03	11.58
Area 5	G6M-02-11X	10/10/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	3.9	1.5U	12,000	683	69.9	1,840	4.2J	390	0.11J	1.3J	0.03U	6.52	0.28	-122.8	1.341	0.84	12.54
Area 5	G6M-02-11X	5/21/2013	-	-	-	-	-	-	-	-	-	649	59.5	3,660	-	-	-	-	-	6.7	0.24	-124.88	1.247	0	18.2
Area 5	G6M-02-11X	10/16/2013	0.5U	0.5U	0.26J	0.20J	0.5U	0.5U	17	1.6U	56,000	616	53	3,230	4.2J	320	0.13U	5.0U	0.03U	6.8	0.22	-114.8	1.243	0.39	14.2
Area 5	G6M-02-11X	6/11/2014	-	-	-	-	-	-	-	-	-	573	50	8,010	-	-	-	-	-	6.84	0.32	-104.4	1.069	1.38	13.5
Area 5	G6M-02-11X	10/29/2014	0.5U	0.5U	0.42J	0.34J	0.5U	0.44J	8.1J	1.5U	15,000	624	64.3J	4,860J	5U	340	0.13U	0.17J	0.03U	6.96	0.35	-156.8	1.224	0.65	12.8
Area 5	G6M-02-11X	6/26/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	8,180	578	51.1	10,800	5.80	312	0.17	2.0 J	1.0 U	5.98	2.49	-62.1	0.934	9.2	12.54
Area 5	G6M-02-11X	9/10/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.5 J	10 U	11,500	546	44.4	9,920	5.30		0.087 J	0.78 J	2.0 U	6.29	3.21	44.2	0.570	5.37	14.62
Area 5	G6M-02-11X	10/15/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.8 J	10 U	9,710	551	44.2	10,400	4.9	229	0.062 J	10 U	2.0 U	7.03	0.26	-132.7	0.942	1.12	14.83
Area 5	G6M-02-11X	2/11/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	4,980	584	45.9	9,880	5.1	219	0.10 J	10 U	2.0 U	7.02	0.6	-117.2	0.717	2.14	10.14
Area 5	G6M-02-11X	6/15/2016	1.0 U	1.0 U	0.63 J	1.0 U	1.0 U	1.0 U	4.6	1.0 UJ	11,000	550	35.0	9,000	4.4	250	0.05 U	0.80 U	1.0 U	6.81	2.29	-130.1	0.861	20.9	18.18
Area 5	G6M-02-11X	11/14/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.6	1.0 U	11,000	530	32.0	7,600	4.1	220	0.05 U	1.0 U	1.0 U	7.16	0.92	-127.9	0.632	5.71	11.82
Area 5	G6M-02-12X	8/1/2002	330	2U	2U	2U	1U	2U	-	-	-	5U	-	-	-	-	-	-	-	6.24	0.64	19	0.924	37.6	14.01
Area 5	G6M-02-12X	8/28/2002	520	6.5	2U	2U	1U	2U	-	-	-	5U	-	-	5U	54	-	-	-	6.15	0.19	156	0.868	2.96	14.12
Area 5	G6M-02-12X	10/29/2002	790	10	2U	2U	1U	2U	-	-	-	5U	1U	1,100	2.0J	40	0.10U	17	2.0U	6.14	0.27	68	0.927	2.08	14.83
Area 5	G6M-02-12X	2/3/2003	580	4	2U	2U	1U	2U	-	-	-	5U	1U	-	5U	52	-	-	-	6.04	-	78	0.947	5.06	12.49
Area 5	G6M-02-12X	7/14/2003	-	-	-	-	-	-	-	-	-	-	-	-	5U	-	-	-	-	-	-	-	-	-	11.03
Area 5	G6M-02-12X	9/22/2004	1,000	43	110	2U	1U	2U	0.005U	0.005U	2,900	5U	1U	450	1U	84	0.5U	13	2U	5.87	0.35	570.2	0.873	4.95	11.59
Area 5	G6M-02-12X	9/27/2005	1,100	38	250	1.4	1U	5.4	0.025U	1.1	14,000	5U	1U	690	3.5	106	0.05U	13J	1U	6.11	1.17	238.5	6.92	24.5	11.73
Area 5	G6M-02-12X	9/21/2006	190	88	64	23	1U	67	0.038	46	15,000	5U	0.37	3,200	7.6	170	0.2U	5.72	1U	6.23	0.17	78	0.799	60.6	11.65
Area 5	G6M-02-12X	9/12/2007	62	50	28	4.4	1U	18	0.4	8.4	11,000	20U	0.58	5,500	2.6J	180	0.2U	340	1.0	6.52	3.06	52.8	0.934	5.8	11.75
Area 5	G6M-02-12X	10/16/2008	0.37J	7.1	18	1.6	0.5U	4.8	1.2U	3.1	19,000	174	11.8	15,800	10U	310	0.10U	7U	0.03U	6.09	0.53	-67.4	1.091	10	11.66
Area 5	G6M-02-12X	10/14/2009	0.5U	0.3J	13	0.74	0.5U	1.6	1.3U	1.6U	6,900	540	24.4	11,000	4.6J	350	0.13U	7U	0.03U	6.27	1.27	-40.0	1.025	1.5	19.7
Area 5	G6M-02-12X	10/5/2010	0.5U	0.5U	5.6	0.27J	0.5U	1.5	1.2U	2	40,000	1,040	72.2	13,700	10U	810	0.050J	2.8J	0.03U	6.34	0.58	-88.1	1.217	1.11	17.11
Area 5	G6M-02-12X	10/4/2011	0.5U	0.5U	6.3	0.5U	0.5U	4.3	1.2U	1.5U	21,000	1,020	71.2	9,540	6.4J	440	0.13U	0.33J	0.03U	6.65	0.48	-89.1	0.807	1.9	13.11
Area 5	G6M-02-12X	10/10/2012	0.5U	0.5U	1.0	0.5U	0.5U	1.0	1.8	1.5U	14,000	865	65.8	5,010	4.0J	320	0.13U	0.59J	0.03U	6.76	0.7	-111.4	1.068	1.68	14.37

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	G6M-02-12X	10/16/2013	0.5U	0.5U	0.7	0.21J	0.5U	0.54	10	1.5U	55,000	809	61.3	4,910	4.2J	83	0.13U	5.0U	0.03U	6.85	0.45	-127.7	1.01	1.87	21.32
Area 5	G6M-02-12X	10/29/2014	0.5U	0.5U	0.9	0.56	0.5U	0.79	9.2	1.5U	25,000	760	56J	4,870J	6.2J	330	0.13U	0.22J	0.03U	6.96	0.83	-103.4	0.995	2.48	15.51
Area 5	G6M-02-12X	10/15/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	11,300	714	42.6	8,540	6.4	243	0.11 U	10 U	2.0 U	7.26	1.07	-108.0	0.63	6.17	13.71
Area 5	G6M-02-12X	11/14/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.2	1.0 U	9,400	720	40.0	7,700	4.5	210	0.05 U	2	1.0 U	6.90	1.24	-131	0.53	13.9	11.88
Area 5	G6M-03-08X	5/14/2003	750	2U	2U	2U	1U	2U	-	-	-	5U	1U	-	-	-	-	-	-	-	-	-	-	-	13.25
Area 5	G6M-03-08X	9/22/2004	690	6.3	5.4	2U	1U	2U	0.005U	0.005U	1.8	5U	1U	15U	1U	16	8.3	13	1.5J	5.89	1.81	247.6	0.463	3.22	14.12
Area 5	G6M-03-08X	12/16/2004	1,100	11	9.6	2U	1U	2U	0.069	0.03	4.7	5U	1U	17	5U	20	5.7	13	2.9	5.93	0.7	135.7	0.495	8.98	13.25
Area 5	G6M-03-08X	3/31/2005	340	20U	9.6J	20U	20U	20U	0.011	0.45	14	5U	1U	15U	0.3J	12	2.3	17	2U	5.94	1.96	166.3	0.205	0.93	12.82
Area 5	G6M-03-08X	7/6/2005	780	8.2	15	2U	1U	2U	0.11	0.068	410	4U	1U	10U	5.5	28.6	1.8	14	1U	5.85	0.78	236.1	0.463	5.37	13.36
Area 5	G6M-03-08X	9/28/2005	620	4.8	14	1U	1U	1U	0.025U	0.009J	2,400M	5U	1U	15U	5U	28.3	1.6	12	1U	5.60	3.56	172.3	0.352	8.3	10.8
Area 5	G6M-03-08X	12/14/2005	700	8	17	2U	1U	2U	0.025U	0.025U	7,000	5U	1U	15UJ	5U	32	1.2	12	1U	6.16	0.54	153.8	0.404	3.7	11.48
Area 5	G6M-03-08X	3/22/2006	1,100	21J	34	2.6	1U	2U	0.025U	0.006J	12,000	5U	0.1U	15U	6.5	29	0.586	11.7	1U	6.28	5.43	394.2	0.299	9.75	10.71
Area 5	G6M-03-08X	6/21/2006	610	16	48	2U	1U	2U	0.004J	0.14	16,000	5U	1.8	42	5U	41J	0.33	10.2	1U	5.91	0.29	141.6	0.49	21.4	10.62
Area 5	G6M-03-08X	9/21/2006	660	47	110	2U	1U	5.2	0.023J	0.55	14,000	5U	0.10U	15U	3.2J	41	0.228	9.64	1U	6.00	2.36	122.5	0.325	17.1	11.03
Area 5	G6M-03-08X	12/12/2006	750	45	120	2U	1U	7.8	0.013	0.59	16,000	5U	.01U	15U	5U	-	-	-	-	5.98	0.22	145	0.350	7.0	11.9
Area 5	G6M-03-08X	3/29/2007	570	37	74	2U	1U	11	0.006J	0.72	14,000	5U	0.1U	15U	5U	-	-	-	-	5.79	0.07	21.3	0.392	1.41	11.59
Area 5	G6M-03-08X	6/12/2007	740	55	88	2U	1U	14	0.025U	0.7	15,000	5U	0.1U	15U	0.6J	-	-	-	-	5.93	0.25	135.2	0.413	41.3	10.18
Area 5	G6M-03-08X	9/10/2007	520	75	75	2U	1U	21	0.025U	1.7	14,000	2U	0.1U	15U	5U	42	0.2U	200	1U	5.92	2.55	154.2	0.385	9.7	11.35
Area 5	G6M-03-08X	12/11/2007	390	53	49	2U	1U	15	0.004J	1.6	15,000	5U	0.1U	20	5U	-	-	-	-	5.76	0.23	129.3	0.437	0.8	11.11
Area 5	G6M-03-08X	3/13/2008	390	5	10	2U	1U	2U	0.003J	0.051	2,800	5U	0.1U	20	5U	-	-	-	-	5.89	0.22	111.6	0.195	0.3	11.55
Area 5	G6M-03-08X	10/20/2008	290	61	140	5U	5U	26	1.3U	2.1	21,000	8U	0.2U	33.2	10U	110	0.13U	14	0.03U	6.42	1.58	68.9	0.548	2.0	12.1
Area 5	G6M-03-08X	5/6/2009	120	38	150	4.0U	4.0U	15	1.2U	1.6	37,000	3.1J	0.2U	144	10U	190J	0.13U	10	0.03U	5.93	0.32	100.8	0.701	1.5	13.18
Area 5	G6M-03-08X	10/14/2009	5U	20	120	5U	5U	11	1.3U	1.6U	7,300J	8.0U	0.139U	1,470	10U	240	0.13U	8.3	0.03U	5.91	0.33	152.3	0.643	2.11	-
Area 5	G6M-03-08X	4/20/2010	26J	9.9J	88J	2UJ	2UJ	1.5J	1.3U	1.6U	3,500	9.0	0.194U	6,520	10U	250	0.13U	7.8	0.03U	6.31	0.90	87.9	0.382	0.3	14.33
Area 5	G6M-03-08X	10/4/2010	8.2	5.2	80	2U	2U	3.5	1.2U	1.5U	890	3.4J	0.132U	11,300	10U	360	0.13U	5.5	0.03U	6.07	0.68	84.9	0.549	0.0	10.23
Area 5	G6M-03-08X	6/8/2011	-	-	-	-	-	-	-	-	-	14.1	0.266	16,100	-	-	-	-	-	6.28	0.21	49.5	0.686	0.5	11.28
Area 5	G6M-03-08X	10/3/2011	4.3	3.4	62	2.5U	2.5U	9.6	1.2U	1.5U	590	5.1J	0.194J	16,800	10U	360	0.13U	3.2J	0.03U	6.17	0.43	77.2	0.603	0.51	15.19
Area 5	G6M-03-08X	5/8/2012	-	-	-	-	-	-	-	-	-	5.0U	0.127U	17,700	-	-	-	-	-	6.58	1.87	39.7	0.618	0.55	13.06
Area 5	G6M-03-08X	10/9/2012	0.5U	0.78	9.8	0.76	0.5U	7.4	1.3U	3.6	110	5U	0.152	18,600	2.5J	380	0.13U	1.4J	0.03U	6.34	0.43	53.9	0.648	1.42	11.87
Area 5	G6M-03-08X	5/22/2013	-	-	-	-	-	-	-	-	-	3.1J	0.117U	12,500	-	-	-	-	-	6.56	1.4	36.5	0.591	0.14	11.9
Area 5	G6M-03-08X	10/15/2013	0.5U	0.87	2.8	1.2	0.5U	1.6	1.8	1.5U	360	5.2	0.121U	12,300	3.0J	450	0.13U	5.0U	0.03U	6.57	0.39	82.7	0.851	0.0	16.01
Area 5	G6M-03-08X	6/12/2014	-	-	-	-	-	-	-	-	-	4.3J	0.152	9,850	-	-	-	-	-	6.57	1.84	58.9	0.592	6.31	13.03
Area 5	G6M-03-08X	6/18/2015	0.50 U	0.51 J	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	5.0 U	2.5 J	0.05 U	2,320	5.40	83.2	0.11 U	8.4 J	1.0 U	6.32	1.11	113.0	0.273	8.42	13.18
Area 5	G6M-03-08X	10/14/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Area 5	G6M-03-08X	2/24/2016	1.0 U	1.0 U	3.0	1.0 U	1.0 U	1.0 U	10 U	10 U	90.7	8.2	1.03	4,710	1.8	155	0.10 U	3.1 J	2.0 U	6.79	1.03	-54.7	0.244	3.93	7.53
Area 5	G6M-03-08X	11/14/2016	1.0 U	0.96 J	0.84 J	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	170	12	0.18	4,200	1.3	140	0.053 J	9.8	1.0 U	7.03	1.19	-99.6	0.339	7.46	8.32
Area 5	G6M-03-09X	5/14/2003	2U	2U	2U	2U	1U	2U	-	-	-	5U	1U	-	-	-	-	-	-	-	-	-	-	-	13.34
Area 5	G6M-03-09X	9/23/2004	3.7	2U	2U	2U	1U	2U	0.005U	0.005U	1.9	5U	1U	15U	1U	23	19	15	2.2	6.23	8.67	176.2	0.13	4.57	13.22
Area 5	G6M-03-09X	12/14/2004	2U	2U	2U	2U	1U	2U	0.015	0.026	2	5U	1U	15U	5U	25	11	15	2U	6.08	8.17	417.6	0.106	12.1	12.43
Area 5	G6M-03-09X	3/29/2005	1.5J	2U	2U	2U	1U	2U	0.013	0.26	1.4	5U	1UM	15U	0.3J	18	1.5	13	2U	6.18	6	113.2	0.123	72.4	13.27
Area 5	G6M-03-09X	6/30/2005	5.8	2U	2U	2U	1U	2U	0.077	0.032	1.2	2U	1UJ	10U	15	25.1	1.3	13	1U	5.75	2.81	160.2	0.135	53.6	10.23
Area 5	G6M-03-09X	9/28/2005	2U	2U	2U	2U	1U	2U	0.006J	0.009J	29	5U	1U	15U	4J	38.2	3.7	13	1U	5.90	10.56	181	0.108	7.6	11.2
Area 5	G6M-03-09X	12/13/2005	2U	2U	2U	2U	1U	2U	0.005J	0.014J	790	5U	1U	15U	5U	53	0.05U	13	1U	6.21	3.06	259.3	172	4.9	10.62
Area 5	G6M-03-09X	3/22/2006	2U	2U	2U	2U	1U	2U	0.006J	0.016J	39	5U	0.1U	20	7.9	36	1.81	12.1	1U	6.40	3	415.5	0.102	10.83	10.99
Area 5	G6M-03-09X	6/23/2006	2U	2U	2U	2U	1U	2U	0.025U	0.042	390	5U	0.1U	15U	5U	39	2.65	13.2	1U	5.92	4.55	164.9	0.156	16.9	11.02
Area 5	G6M-03-09X	9/21/2006	2U	2U	2U	2U	1U	2U	0.014J	0.12	140	5U	0.10U	15U	0.8J	36	2.51	9.19	1UJ	6.71	2.24	127.6	0.212	4.56	13.75
Area 5	G6M-03-09X	12/13/2006	2U	2U	2U	2U	1U	2U	0.025U	0.019J	870	5U	0.10U	15U	5U	-	-	-	-	6.21	3.38	142.8	0.162	5.6	11.45
Area 5	G6M-03-09X	3/29/2007	2U	2U	2U	2U	1U	2U	0.006J	0.032	1,600	5U	0.1U	15U	1.8J	-	-	-	-	6.08	0.16	16.4	0.217	2.45	10.57
Area 5	G6M-03-09X	6/13/2007	3.8	2U	2U	2U	1U	2U	0.005J	0.011J	870	5U	0.1U	15U	0.5J	-	-	-	-	6.26	0.36	111	0.154	7.6	11.36
Area 5	G6M-03-09X	9/10/2007	2U	2U	2U	2U	1U	2U	0.025U	0.025U	18,000	6U	0.1U	15U	5U	53	2.01	20	1U	6.26	2.74	128	0.193	9.9	11.07
Area 5	G6M-03-09X	12/11/2007	2U	2U	2U	2U	1U	2U	0.006J	0.022J	2,200	5U	0.1U	15U	5U*	-	-	-	-	6.03	0.11	110.3	0.19	2.1	11.41

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	G6M-03-09X	3/12/2008	2U	2U	2U	2U	1U	2U	0.027	0.016J	5,200	5U	0.11	18	5U	-	-	-	-	6.33	0.24	24.6	0.159	0.5	11.51
Area 5	G6M-03-09X	10/20/2008	0.37J	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	1,600	8U	0.2U	50U	10U	48	0.84	19	0.03U	5.98	0.24	177.8	0.129	6.5	11.28
Area 5	G6M-03-09X	5/6/2009	0.78	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	340	8U	0.2U	50U	10U	52J	0.9	14	0.03U	5.99	0.33	104	0.171	1.0	11.35
Area 5	G6M-03-09X	10/14/2009	0.35J	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	230	8U	0.2U	50U	10U	53	0.32	13	0.03U	5.49	0.26	-89.9	0.161	0	-
Area 5	G6M-03-09X	4/20/2010	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	1.3U	1.6U	700	5U	0.1U	25U	10U	90	0.13U	12	0.03U	6.19	0.40	166	0.102	0.6	15.41
Area 5	G6M-03-09X	10/4/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	35J	5U	0.1U	25U	10U	44	0.86	12	0.03U	5.90	1.18	146.6	0.159	0.6	12.1
Area 5	G6M-03-09X	6/8/2011	-	-	-	-	-	-	-	-	-	5U	1.68	11.4J	-	-	-	-	-	5.99	0.42	122.8	0.154	0.4	11.09
Area 5	G6M-03-09X	10/3/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	230	20U	0.2U	50U	10U	35	0.39	11	0.03U	5.82	0.61	163.2	0.107	0.23	16.6
Area 5	G6M-03-09X	5/8/2012	-	-	-	-	-	-	-	-	-	5.0U	0.1U	25U	-	-	-	-	-	6.12	2.27	186.4	0.095	0.71	13.41
Area 5	G6M-03-09X	10/9/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	2.6	5U	0.1U	6.2 J	10U	25	2.8	8.9	0.03U	5.71	4.36	167.9	0.136	0.58	12.12
Area 5	G6M-03-09X	5/22/2013	-	-	-	-	-	-	-	-	-	5U	0.1U	25U	-	-	-	-	-	6.01	0.46	172.9	0.084	1.83	13.94
Area 5	G6M-03-09X	10/15/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	7,600	5U	0.1U	9.6J	10U	29	0.82	10	0.03U	6.08	1.16	150.3	0.144	0	15.96
Area 5	G6M-03-09X	6/12/2014	-	-	-	-	-	-	-	-	-	5U	0.0219U	7.4J	-	-	-	-	-	5.89	0.54	163.9	0.102	2.49	14.07
Area 5	G6M-03-09X	10/28/2014	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.4	1.5U	20	2.5U	0.268J	13.4J	5U	35	1.6	11	0.03U	6.24	1.65	124.1	0.139	2.78	13.61
Area 5	G6M-03-09X	6/18/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	30	2.0 U	0.05 U	20	0.70 U	27.0	0.057 U	8.6 J	1.0 U	5.39	0.45	169.7	0.191	2.25	11.35
Area 5	G6M-03-09X	10/15/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	1,090	4.0 U	0.10 U	57	1.0 U	27.8	0.11 U	11.4	2.0 U	6.06	0.22	123.1	0.144	0.81	15.66
Area 5	G6M-03-09X	2/19/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	14.1	6.4 J	270	4.0 U	0.10 U	99.5	1.0 U	36.9	0.19	10.5	2.0 U	8.64	2.29	513.6	0.100	3.99	9.63
Area 5	G6M-03-09X	6/16/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	8.8	3.0 U	0.05 U	81	0.78 J	43.0	0.05 U	16.0	1.0 U	6.02	1.8	131.6	0.22	3.32	11.76
Area 5	G6M-03-09X	11/14/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	0.58 U	3.0 U	0.05 U	90	0.78 J	31	1.5	8.4	1.0 U	6.23	1.27	8.0	0.119	4.19	9.4
Area 5	G6M-03-10X	5/14/2003	15	2U	2U	2U	1U	2U	-	-	-	5U	1.0U	-	-	-	-	-	-	-	-	-	-	-	14.23
Area 5	G6M-03-10X	9/22/2004	27	2U	2U	2U	1U	2U	0.05	0.68	680	5U	1U	340	1U	51	2.8	12	1.5J	6.28	1.28	-77.2	0.539	20.5	13.06
Area 5	G6M-03-10X	12/14/2004	19	2U	44	2U	1U	2U	0.02	0.025	1.9	5U	1U	880	5U	110	3.8	21	2U	6.52	0.94	62	0.801	1.57	13.92
Area 5	G6M-03-10X	3/29/2005	14	0.98J	68	1.2J	1U	2U	0.005U	0.38	2,600	5U	1UM	1,200	5.9	146	0.2U	12	2U	6.44	0.59	-14.5	0.869	6.77	11.8
Area 5	G6M-03-10X	6/30/2005	3.6	2U	2U	2U	1U	2U	0.026	0.021	8,600	2U	1UJ	1,900	19	199	0.1	11	1U	5.18	0.39	273.2	0.702	5.06	12.45
Area 5	G6M-03-10X	9/28/2005	6.7	2U	2U	2U	1U	2U	0.025U	0.020J	1,100	5U	1U	720	0.6J	140	0.2	16	1U	6.43	4.3	74.1	0.588	7.36	11.31
Area 5	G6M-03-10X	12/13/2005	3.4	2U	2U	2U	1U	2U	0.009J	0.027	12,000	6.9	1U	3,020	5U	250	0.48	8.4	1U	6.73	0.15	57.2	1.032	1.3	12.28
Area 5	G6M-03-10X	3/23/2006	9.9	2U	2U	2U	1U	2U	0.020J	0.052	7,000	5U	0.22	3,800	3.5J	170	0.2U	8.9	1U	6.64	0.67	36.6	0.663	5.39	12.15
Area 5	G6M-03-10X	6/22/2006	2.6	2U	2U	2U	1U	2U	0.004J	0.042	14,000	5U	0.74	7,300	5J	200	0.2U	4.44	1U	4.87	0.64	610.8	0.77	0.64	13.95
Area 5	G6M-03-10X	9/20/2006	2.2	2U	2U	2U	1U	2U	0.006J	0.14	14,000	5U	0.21	6,200	6	180	0.2U	6.95	1U	6.41	1.26	-140.2	0.856	3.9	12.27
Area 5	G6M-03-10X	12/13/2006	2.8	2U	3.4	2U	1U	2U	0.025U	0.025U	20,000	5U	0.27	8,500	2J	-	-	-	-	6.45	0.26	168.2	0.870	5.0	11.38
Area 5	G6M-03-10X	3/29/2007	2.2	2.1	4.2	2U	1U	2U	0.007J	0.16	24,000	8.6	0.3	9,100J	4.8J	-	-	-	-	6.20	0.32	-60.7	0.97	2.99	12.14
Area 5	G6M-03-10X	6/11/2007	2.5	2U	4.1	2U	1U	2U	0.025U	0.095	29,000	23	1	11,000	6.7	-	-	-	-	6.27	0.41	45.5	0.947	8.5	11.61
Area 5	G6M-03-10X	9/10/2007	2U	2U	3.8	2U	1U	2U	0.1	0.057	620	29	0.4	8,100	3.5J	150	0.2U	290	1U	6.28	0.24	61.3	0.859	13.6	12.27
Area 5	G6M-03-10X	12/12/2007	2U	2U	2.8	2U	1U	2U	0.025U	0.043	20,000	26	0.33	9,200	5.8	-	-	-	-	6.14	0.66	69.8	0.755	7.5	12.45
Area 5	G6M-03-10X	3/11/2008	16	8.7	16	2U	1U	4	0.04	59	28,000	91	15	9,200	5J	-	-	-	-	6.32	0.22	-62.9	1.029	7.3	11.74
Area 5	G6M-03-10X	10/20/2008	1.0	2.0	5.4	0.5U	0.5U	1.0	1.3U	1.6U	21,000	248	7.07	10,300	170	170	0.13U	8.3	0.03U	5.98	0.21	-10.9	0.781	8.2	18.11
Area 5	G6M-03-10X	5/6/2009	1.0	5.0	9.1	0.5U	0.5U	1.5	1.2U	1.5U	31,000	522	54.4	9,210	11	230J	0.0076J	9.3	0.03U	5.91	0.33	-64.0	1.04	0.5	18.59
Area 5	G6M-03-10X	10/14/2009	0.61	3.7	10	0.5U	0.5U	2.2	1.3U	1.6U	9,000J	518	57.8	7,410	7.4J	310	0.13U	21	0.03U	6.32	0.67	-62.2	0.896	1.2	19.1
Area 5	G6M-03-10X	4/20/2010	1.2	5.6	2.0	0.21J	0.5U	1.1	1.2U	1.5U	4,100	648	60.5J	4,910	4.7J	130	0.13U	6.5	0.03U	6.78	0.77	-101.1	0.799	1.4	16.25
Area 5	G6M-03-10X	10/4/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	6.2	20,000	475	58.1	5,650	10U	230	0.13U	5.9	0.03U	6.52	0.22	-115.6	0.729	0.5	11.33
Area 5	G6M-03-10X	6/9/2011	-	-	-	-	-	-	-	-	-	520	53.9	2,550	-	-	-	-	-	6.74	0.58	-118.8	0.704	4.62	12.12
Area 5	G6M-03-10X	10/3/2011	0.5U	2.7	1.2	0.5U	0.5U	0.53	1.2U	1.5U	9,800	528	54.5	3,980	3.0J	100	0.21	7.6	0.030U	6.75	0.10	-85.8	0.633	0.85	12.31
Area 5	G6M-03-10X	5/8/2012	-	-	-	-	-	-	-	-	-	480	56	4,070	-	-	-	-	-	7	0.15	-119.1	0.817	0.77	13.02
Area 5	G6M-03-10X	10/9/2012	0.5U	0.55	0.5U	0.5U	0.5U	0.5U	22	1.6U	13,000	456	47.5	2,280	10U	100	0.13U	8.4	0.03U	6.88	0.43	-109.6	0.94	0	12.11
Area 5	G6M-03-10X	5/22/2013	-	-	-	-	-	-	-	-	-	514	57.1	2,340	-	-	-	-	-	6.8	0.16	-137.6	1.111	0.4	12
Area 5	G6M-03-10X	10/15/2013	0.5U	0.68	0.52	0.5U	0.5U	0.5U	1.8	1.5U	23,000	452	50.6	2,770	10U	80	0.042U	9.2	0.03U	6.87	4.57	-122.7	1.018	0.19	12.22
Area 5	G6M-03-10X	6/12/2014	-	-	-	-	-	-	-	-	-	510	51.9	2,400	-	-	-	-	-	6.82	0.51	-88	0.857	Overrange	22.11
Area 5	G6M-03-10X	10/29/2014	0.5U	0.77	0.92	0.5U	0.5U	0.41J	1.2U	1.5U	14,000	418	42.9J	3,090J	5U	92	0.13U	8.6	0.03U	7.02	0.29	-122.4	0.787	4.94	19.6
Area 5	G6M-03-10X	9/10/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	8,910	453	68.1	2,020	1.50	-	0.080 J	10.8	2.0 U	6.56	0.51	-107.5	0.787	3.00	12.58
Area 5	G6M-03-10X	10/15/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	11,500	457	69.3	2,410	1.9	64.9	0.11 U	7.8 J	2.0 U	7.03	0.49	-128.0	1.206	1.74	19.32
Area 5	G6M-03-10X	2/11/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	7,550	492	72	2,370	3.3	105	0.11	2.0 J	2.0 U	7.02	0.4	-131.1	1.345	0.1	9.96

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	G6M-03-10X	6/16/2016	16	0.65 J	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	14,000	400	61	1,600	1.8	88	0.05 U	3.3	1.0 U	6.18	1.16	-86.0	1.407	8.39	13.13
Area 5	G6M-03-10X	11/14/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	8,000	430	68	2,700	1.6	110	0.05 U	3.7	1.0 U	7.11	11.66	-101.7	0.745	6.94	7.4
Area 5	G6M-04-05X	9/22/2004	140	2U	2U	2U	1U	2U	0.005U	0.0092	1.3	5U	1U	15U*	1U	14	4.9	14	2U	6.10	9.68	233.9	0.099	0.68	11.28
Area 5	G6M-04-05X	12/15/2004	17	2U	2U	2U	1U	2U	0.005U	0.016	1.4	5U	1U	15U	5U	14	7.5	13	2U	5.87	1.17	228.7	0.098	1.04	11.37
Area 5	G6M-04-05X	3/30/2005	130	10U	10U	10U	5U	10U	0.0074	0.028	15	5U	1U	15U	0.5J	14	1.2	10	2U	6.04	2.8	123.1	0.093	1.92	11.81
Area 5	G6M-04-05X	6/30/2005	200	2U	2U	2U	1U	2U	0.041	0.022	96	2U	1UJ	10U	2.4	15.9	0.87	8.9	1U	5.48	0.88	207.1	0.094	8.19	11.49
Area 5	G6M-04-05X	9/29/2005	110	2U	2U	2U	1U	2U	0.006J	0.012J	220	5U	1U	33	5U	3.3	0.98	14	1U	6.08	0.2	215.3	0.061	2.1	10.48
Area 5	G6M-04-05X	12/14/2005	36	2U	2U	2U	1U	2U	0.007J	0.016J	550	5U	1U	15U	5U	21	1.6	11	1U	6.10	0.23	179.3	0.091	0.3	11.31
Area 5	G6M-04-05X	3/22/2006	330	2U	2U	2U	1U	2U	0.025U	0.019J	2,200	5U	0.1U	15U	3.4J	13	1.11	9.33	1U	6.21	0.77	343.3	0.062	0.86	11.08
Area 5	G6M-04-05X	6/22/2006	38	2U	2U	2U	1U	2U	0.025U	0.082	33	5U	0.1U	15U	5U	22J	1.82	9.01	1U	4.40	2.55	760.6	0.083	0	11.56
Area 5	G6M-04-05X	9/22/2006	30	2U	2U	2U	1U	2U	0.009J	0.084	140	5U	0.10U	15U	5U	15	1.51	10.8	1U	5.78	1.48	-127.3	0.123	0.34	11.56
Area 5	G6M-04-05X	12/12/2006	8.7	2U	2U	2U	1U	2U	0.025U	0.010J	850	5U	0.1U	15U	5U	-	-	-	-	5.66	0.39	156.7	0.105	0	11.24
Area 5	G6M-04-05X	3/29/2007	16	2U	2U	2U	1U	2U	0.025U	0.022J	460	5U	0.12	15U	1.4J	-	-	-	-	5.79	0.13	57.9	0.185	0.01	-
Area 5	G6M-04-05X	6/12/2007	12	2U	2U	2U	1U	2U	0.005J	0.041	330	5U	0.1U	15U	0.4J	-	-	-	-	5.89	0.52	168.2	0.116	4.4	15.84
Area 5	G6M-04-05X	9/10/2007	43	2U	2U	2U	1U	2U	0.24	0.089	340	2U	0.1U	15U	5U	20	1.61	17	1U	5.89	2.6	142.8	0.103	3.9	12.77
Area 5	G6M-04-05X	12/11/2007	7.2	2U	2U	2U	1U	2U	0.025U	0.013J	1,900	5U	0.19	15U	5U	-	-	-	-	5.75	0.23	134.1	0.118	0.6	15.25
Area 5	G6M-04-05X	3/13/2008	2.5	2U	2U	2U	1U	2U	0.009J	0.020J	1,300	5U	0.1U	17	5U	-	-	-	-	5.9	0.18	121	0.129	0.2	17.23
Area 5	G6M-04-05X	10/20/2008	3.7	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	3,300	8U	0.2U	50U	10U	30	1.5	10	0.03U	5.92	0.73	80	0.152	0	15.18
Area 5	G6M-04-05X	5/6/2009	16	0.38J	0.84	0.5U	0.5U	0.27J	1.3U	1.6U	2,200	8U	0.2U	50U	10U	49J	0.37	17	0.03U	5.72	0.2	125.5	0.187	0	11.92
Area 5	G6M-04-05X	10/14/2009	8.2	0.5U	0.29J	0.5U	0.5U	0.5U	1.3U	1.6U	2,000J	8.0U	0.127U	60U	10U	29	0.39	15	0.03U	5.62	0.5	184	0.203	0	14.07
Area 5	G6M-04-05X	4/20/2010	2.3J	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	1.2U	1.5U	3,200	5U	0.1U	25U	10U	80	0.30	15	0.03U	5.92	0.4	152.5	0.144	0.20	17.68
Area 5	G6M-04-05X	10/4/2010	0.28J	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	18	5U	0.1U	25U	10U	30	1.7	13	0.03U	5.67	1.51	145.5	0.131	0.8	15.25
Area 5	G6M-04-05X	6/8/2011	-	-	-	-	-	-	-	-	-	5U	0.1U	12.7J	-	-	-	-	-	5.78	0.12	134.1	0.193	1.0	13.15
Area 5	G6M-04-05X	10/3/2011	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	2,000	20U	0.2U	11.4J	2.3J	39	0.47	19	0.03U	5.76	0.20	158.9	0.174	0.44	14.14
Area 5	G6M-04-05X	5/8/2012	-	-	-	-	-	-	-	-	-	5.0U	0.1U	10.9J	-	-	-	-	-	6.01	0.83	157.2	0.16	0.56	14.76
Area 5	G6M-04-05X	10/9/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	1,800	5U	0.1U	21.8 J	10U	32	0.063J	16	0.03U	5.76	0.27	108.4	0.171	0.84	14.36
Area 5	G6M-04-05X	5/22/2013	-	-	-	-	-	-	-	-	-	2.7J	0.1U	25U	-	-	-	-	-	5.9	0.25	134.1	0.156	1.75	13.2
Area 5	G6M-04-05X	10/15/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	28,000	5U	0.1U	15.4J	10U	60	0.13U	18	0.03U	6.01	0.47	145.8	0.199	0.00	14.17
Area 5	G6M-04-05X	6/12/2014	-	-	-	-	-	-	-	-	-	2.4J	0.195U	13.3J	-	-	-	-	-	6.09	0.41	86.2	0.193	0.68	12.29
Area 5	G6M-04-05X	10/28/2014	0.42J	0.5U	0.5U	0.5U	0.5U	0.5U	2.8	1.6	48	4.1J	0.029	12.2J	10U	39	0.31	13	0.03U	6.49	0.62	81.9	0.182	0.48	11.61
Area 5	G6M-04-05X	6/17/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	22.4 J	2.0 U	0.05 U	11.8 J	0.81 U	22.9	0.29	23.30	1.0 U	-	-	-	-	-	-
Area 5	G6M-04-05X	9/10/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	4.0 U	0.10 U	7.5 J	1.0 U	-	0.21	25.40	2.0 U	5.75	0.95	67.6	0.245	2.08	12.07
Area 5	G6M-04-05X	10/15/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	53	4.0 U	0.10 U	20	1.1	31.9	0.20	21.9	2.0 U	5.96	0.50	116.4	0.264	2.44	11.84
Area 5	G6M-04-05X	2/22/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	305	4.0 U	0.10 U	21.9	1.0 U	34.7	0.11 U	26.8	2.0 U	5.93	1.03	112.9	0.187	1.92	10.35
Area 5	G6M-04-05X	11/14/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	15	3.0 U	0.05 U	20	0.75 J	36	0.19	24	1.0 U	6.33	1.22	23.9	0.176	4.16	9.56
Area 5	G6M-04-06X	9/22/2004	160	2U	2U	2U	1U	2U	0.056	0.005U	3.4	5U	1U	15U	1U	110	5.3	8.7	2U	11.01	9.17	-0.6	0.341	1.34	11.37
Area 5	G6M-04-06X	12/16/2004	24	2U	2U	2U	1U	2U	0.017	0.028	0.47	21	1U	15U	5U	54	7.9	10	2.9	10.89	9.42	106.9	0.254	2.26	13.13
Area 5	G6M-04-06X	3/30/2005	37	2U	2U	2U	1U	2U	0.0087	0.051	0.58	7.5	1U	15U	5U	37	2	12	2U	9.47	10.46	10.6	0.235	0.32	11.56
Area 5	G6M-04-06X	7/1/2005	140	2U	2U	2U	1U	2U	0.034	0.056	9.7	2U	1UJ	190	2.8J	10.3	1.5	25	1U	9.08	9.77	457.2	0.214	0.95	11.76
Area 5	G6M-04-06X	9/29/2005	32	2U	2U	2U	1U	2U	0.009J	0.018J	0.7	11	1U	15U	5.4	70.4	1.9	12	1U	9.32	9.43	390.6	0.192	1.99	11.46
Area 5	G6M-04-06X	12/15/2005	26	2U	2U	2U	1U	2U	0.009J	0.022J	3.3	80.9	1U	150	7.6	39	1.9	12	1U	9.74	10.17	151.2	0.226	0.3	14.61
Area 5	G6M-04-06X	3/23/2006	100	2U	2U	2U	1U	2U	0.006J	0.036	3.1	5U	0.1U	15U	5U	23	1.71	9.29	1U	8.94	9.46	452.5	0.188	1.72	10.34
Area 5	G6M-04-06X	6/23/2006	190	2U	2U	2U	1U	2U	0.012J	0.041	10	13J	0.1U	15U	5U	41	1.69	9.43	1U	8.66	9.75	165.3	0.254	3.55	12.76
Area 5	G6M-04-06X	9/21/2006	45	2U	2U	2U	1U	2U	0.016J	0.11	6.3	5U	0.10U	15U	1.9J	31	1.03	10.9	1U	9.46	9.75	66.6	0.347	1.45	17.93
Area 5	G6M-04-06X	12/11/2006	37	2U	2U	2U	1U	2U	0.010J	0.044	4.3	5U	0.1U	15U	5U	-	-	-	-	9.67	9.67	108	0.257	4.4	14.21
Area 5	G6M-04-06X	3/29/2007	18	2U	2U	2U	1U	2U	0.011J	0.021J	13	5U	0.1U	15U	5U*	-	-	-	-	8.99	14.57	150.7	0.137	11.1	11.92
Area 5	G6M-04-06X	6/12/2007	25	2U	3.5	2U	1U	2U	0.010J	0.061	19	5U	0.1U	15U	5U	-	-	-	-	8.82	10.12	118.1	0.272	4.9	13.9
Area 5	G6M-04-06X	9/10/2007	23	2U	3	2U	1U	2U	0.005J	0.007J	0.13	8U	0.1U	15U	5U	38	1.32	82	1U	8.14	6.73	50.1	0.248	9.9	16.14
Area 5	G6M-04-06X	12/12/2007	22	2U	6.3	2U	1U	2U	0.004J	0.025U	0.21	5U	0.1U	15U	5U	-	-	-	-	7.36	12.25	81.7	0.335	0.2	13.66
Area 5	G6M-04-06X	3/14/2008	14	2U	2.4	2U	1U	2U	0.005J	0.025U	2.8	5U	0.1U	15U	5U	-	-	-	-	7.29	10.89	186.9	0.224	0.3	13.13
Area 5	G6M-04-06X	10/16/2008	24	0.68	2.2	0.5U	0.5U	0.5U	1.3U	1.6U	2	8.5	0.2U	11.5J	10U	34	1.47U	11	0.03U	7.69	9.11	209.6	0.198	1	13.01

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	G6M-04-06X	5/6/2009	13	0.51	1.8	0.5U	0.5U	0.5U	1.3U	1.6U	1.6	6.9	0.2U	50U	10U	44	1.3	14	0.03U	7.35	9.41	9.2	0.209	1.9	15.25
Area 5	G6M-04-06X	10/14/2009	10	0.46J	1.8	0.5U	0.5U	0.5U	1.3U	1.6U	22J	7.4U	0.2U	50U	10U	44	1.3	11	0.03U	7.15	9.4	150	0.197	0	13.65
Area 5	G6M-04-06X	4/20/2010	3.0J	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	1.2U	1.5U	150	7.3	0.1U	25U	10U	60	1.8	11	0.03U	6.75	2.86	27.1	0.147	0.0	12.92
Area 5	G6M-04-06X	10/4/2010	0.95	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	2,000	6.1	0.1U	25U	10U	57	1.8	9.1	0.03U	6.50	0.38	121.6	0.216	0.0	14.01
Area 5	G6M-04-06X	10/3/2011	4.0	0.5U	2.0	0.5U	0.5U	0.5U	1.2U	1.5U	9,200	4.7J	0.2U	10.7J	10U	71	0.74	11	0.03U	6.06	1.46	70.2	0.133	0.24	11.95
Area 5	G6M-04-06X	10/9/2012	3.7	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	14,000	5U	0.1U	21.2 J	10U	62	0.48	16	0.03U	6.05	0.31	135.7	0.239	0	11.64
Area 5	G6M-04-06X	10/15/2013	4.5	0.37J	0.55	0.5U	0.5U	0.5U	1.2U	1.5U	36,000	5U	0.1U	88.2	10U	140	0.13U	12	0.03U	6.09	1.07	171.1	0.242	0.04	10.6
Area 5	G6M-04-06X	10/28/2014	1.2	0.78	0.41J	0.5U	0.5U	0.5U	8.1J	1.5U	1,200	2.5U	0.0243U	157J	5U	70	0.29	15	0.03U	6.51	0.29	164.7	0.205	1.63	11.28
Area 5	G6M-04-06X	10/19/2015	1.7	0.70 J	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	4.0 U	0.10 U	74	1.0	59.7	0.11 U	13.0	2.0 U	-	-	-	-	-	-
Area 5	G6M-04-06X	11/14/2016	1.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	0.82	3.0 U	0.017 J	77	1.0	62	0.05 U	15	2.0	6.47	1.01	-8.6	0.189	5.87	9.97
Area 5	G6M-04-07X	9/22/2004	900	2.7	8.4	2U	1U	2U	0.061	0.12	3.1	5U	1U	260	1U	56	5.4	32	2U	7.10	3.42	110.1	0.243	9.28	11.98
Area 5	G6M-04-07X	12/17/2004	1,100	2	9.3	2U	1U	2U	0.11	2.2	2.1	28	1U	47	0.6J	43	6.4	14	2U	7.51	1.98	-38.9	0.246	74.7	11.89
Area 5	G6M-04-07X	3/29/2005	240	10U	10U	10U	5U	10U	0.031	0.64	1.9	12	1UM	27	0.5J	43.2	1.5	14	2U	6.88	4.19	22	0.229	4.2	10.79
Area 5	G6M-04-07X	7/5/2005	170	2U	2U	2U	1U	2U	0.07	0.042	1.8	4	1U	37	5U	41.1	1.7	14	1U	5.83	5.44	369.9	0.186	23.4	11.51
Area 5	G6M-04-07X	9/29/2005	470	3.0	8.3	2U	1U	2U	0.010J	0.010J	2.4	5U	1U	43	5U	1U	1.9	16	1U	6.19	0.86	478.3	0.277	6.62	11.28
Area 5	G6M-04-07X	12/14/2005	390	2U	2	2U	1U	2U	0.006	0.016	7.9	3.8	1U	17.9	6.1	40	1.6	13	1U	6.65	4.72	149.3	0.218	34.1	11.66
Area 5	G6M-04-07X	3/23/2006	260	2U	2U	2U	1U	2U	0.005J	0.029	250	5U	0.1U	15U	5U	36	1.57	13.3	1U	6.28	2.14	619.7	0.267	4.09	12.09
Area 5	G6M-04-07X	6/23/2006	150	2U	2U	2U	1U	2U	0.005J	0.022J	22	5U	0.1U	24	0.3J	30	1.28	12.5	1U	6.29	5.5	117.8	0.24	8.07	11.75
Area 5	G6M-04-07X	9/21/2006	110	2U	2U	2U	1U	2U	0.014J	0.088	2.4	5U	0.10U	19	3.4J	32	2.54	10	1U	6.34	4.43	99.8	0.197	2.63	14.46
Area 5	G6M-04-07X	12/11/2006	87	2U	2U	2U	1U	2U	0.007J	0.033	2.2	5U	0.10U	15	5U	-	-	-	-	6.65	6.99	116.4	0.134	10.52	17.2
Area 5	G6M-04-07X	3/29/2007	45	2U	2U	2U	1U	2U	0.006J	0.018J	5.2	5U	0.1U	17J	5U	-	-	-	-	6.55	10.3	143.7	0.123	3.71	15.42
Area 5	G6M-04-07X	6/12/2007	44	2U	2U	2U	1U	2U	0.010J	0.079	46	5U	0.67	18	1.2J	-	-	-	-	6.26	8.12	162.7	0.129	16.1	13.18
Area 5	G6M-04-07X	9/10/2007	25	2U	2U	2U	1U	2U	0.006J	0.006J	0.11	2U	0.1U	15U	5U	19	1.89	45	1U	6.20	8.68	117.7	0.13	31.2	14.72
Area 5	G6M-04-07X	12/12/2007	23	2U	2U	2U	1U	2U	0.004J	0.013J	0.48	5U	0.1U	15U	5U	-	-	-	-	6.48	10.14	140.2	0.134	3.0	10.24
Area 5	G6M-04-07X	3/13/2008	19	2U	2U	2U	1U	2U	0.003J	0.025U	1.6	5.2	0.1U	15U	5U	-	-	-	-	6.54	10.52	83.4	0.143	0.3	10.47
Area 5	G6M-04-07X	10/16/2008	11	0.5U	0.5U	0.5U	0.5U	0.5U	1.2U	1.5U	390	8.0U	0.2U	15.1J	10U	28	1.81U	10	0.03U	5.85	1.62	205	0.129	0.45	10.72
Area 5	G6M-04-07X	5/6/2009	2.2	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	660	2.9J	0.2U	50U	10U	41J	2.3	12	0.03U	5.90	0.7	119.2	0.103	1.25	13.18
Area 5	G6M-04-07X	10/14/2009	1.3	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.6U	2,500J	8U	0.2U	50U	10U	32	1.9	15	0.03U	6.00	0.35	141.6	0.104	0	10.81
Area 5	G6M-04-07X	4/20/2010	13J	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	1.3U	1.6U	630	5U	0.1U	31.8U	10U	50	1.5	12	0.03U	5.90	1.11	24.2	0.167	0	10.3
Area 5	G6M-04-07X	10/4/2010	19	2.2	4.5	0.5U	0.5U	0.5U	1.2U	1.5U	5,100	5U	0.1U	25U	10U	43	1.1	10	0.03U	6.06	0.94	116.9	0.181	0.32	10.45
Area 5	G6M-04-07X	6/8/2011	-	-	-	-	-	-	-	-	-	5U	0.148	67.9	-	-	-	-	-	5.81	1.06	34.1	0.172	0	10.36
Area 5	G6M-04-07X	10/3/2011	8.7	1.2	2.2	0.5U	0.5U	0.5U	1.2U	1.5U	8,300	20U	0.2U	68.0	10U	53	0.59	12	0.03U	5.76	0.28	-57.7	0.105	0.96	10.69
Area 5	G6M-04-07X	5/8/2012	-	-	-	-	-	-	-	-	-	4.0J	0.1U	27.2	-	-	-	-	-	6.26	0.35	122	0.198	0.48	10.51
Area 5	G6M-04-07X	10/9/2012	31J	6.2	33J	0.5U	0.5U	0.97	1.2U	1.5U	6,400	5U	0.1U	35.4	10U	99	0.5	10	0.03U	6.05	0.41	138.9	0.264	0	10.25
Area 5	G6M-04-07X	5/22/2013	-	-	-	-	-	-	-	-	-	3.9J	0.1U	51.4	-	-	-	-	-	6.14	0.39	154.1	0.22	0	14.03
Area 5	G6M-04-07X	10/15/2013	26	5.7	16	0.5U	0.5U	0.5U	1.2U	1.5U	37,000	3.8J	0.1U	3,480	10U	110	0.30	11	0.03U	6.24	0.37	218.4	0.262	0.05	13.59
Area 5	G6M-04-07X	6/10/2014	-	-	-	-	-	-	-	-	-	3.0J	0.021UJ	6,710	-	-	-	-	-	6.01	0.32	210.9	0.257	5.18	8.84
Area 5	G6M-04-07X	10/28/2014	55	11	54	0.31J	0.5U	0.61	1.3U	1.6U	4,900	9.5	0.195J	4,370J	5U	130	0.13	9.6	0.03U	6.57	0.24	108	0.254	4.69	10.62
Area 5	G6M-04-07X	10/19/2015	59	12	1.0 U	1.0 U	1.0 U	1.00	10 U	10 U	3,120	14.1	564	4,590	0.98 J	143	0.11 U	11.0	2.0 U	6.35	0.05	23.3	0.324	1.68	10.67
Area 5	G6M-04-07X	11/14/2016	78	18	73	0.42 J	1.0 U	1.8	1.1 U	1.0 U	1,000	29	1.9	4,400	1.2	160	0.05 U	9.4	1.0 U	6.42	1.01	-28.3	0.278	6.77	10.19
Area 5	G6M-13-01X	1/30/2014	12	0.42 J	0.73	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	6.21	1.64	188.4	0.86	38	16.43
Area 5	G6M-13-01X	10/28/2014	150	2.8	7.80	0.5U	0.5U	0.5U	-	-	-	2.5U	0.025U	26.8J	-	-	-	-	-	6.25	1.77	100.3	0.495	9.14	12.81
Area 5	G6M-13-01X	6/22/2015	16	0.65 J	1.30	0.50 U	0.50 U	0.50 U				2.3 J	0.05 U	8.7 J						5.80	0.89	172.2	0.848	1.11	17.46
Area 5	G6M-13-01X	10/16/2015	26	1.10	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.0613 J	16	-	-	-	-	-	5.57	0.52	42.7	0.727	22.1	13.66
Area 5	G6M-13-01X	2/11/2016	10.3	0.69 J	1.6	1.0 U	1.0 U	1.0 U	10 U	10 U	126	4.0 U	0.10 U	10.3 J	1.0 U	31.5	0.31	16.7	2.0 U	6.05	0.57	38.8	0.880	1.02	10.34
Area 5	G6M-13-01X	6/15/2016	18	1.1	2.8	1.0 U	1.0 U	1.0 U	-	-	-	2.1 J	0.083	14	-	-	-	-	-	6.09	0.65	36.9	0.891	25.0	15.57
Area 5	G6M-13-01X	11/11/2016	27	3.5	6.5	1.0 U	1.0 U	2.8	-	-	-	3.5	1.2	29						5.63	1.11	83.3	0.638	22.1	12.35
Area 5	G6M-13-04X	1/30/2014	41	51	68	2.7	0.90 J	150	-	-	-	-	-	-	-	-	-	-	-	6.57	0.98	-36.4	1.414	4.6	12.6
Area 5	G6M-13-04X	6/10/2014	25	31	29	2.7	0.66	130	2.7J	12J	3,600J	360	49J	5,900	2.5J	280J	0.13U	9.3 B	0.030U	6.42	0.58	-49.4	1.212	12.9	-
Area 5	G6M-13-04X	10/29/2014	1.7	17	69	1.6	0.56	72	4.7	41	32,000	321	5.45J	6,170J	13	310	0.13U	3.5J	0.03U	6.65	0.42	-95.2	1.081	5.55	12.07
Area 5	G6M-13-04X	6/22/2015	0.50 U	1.80	2.20	0.50 U	0.50 U	1.40	5.0 U	5.0 U	719	360	29	3,840 J	3.20	129	0.11 U	30.5 J	1.0 U	6.95	0.7	-156.6	0.800	0.8	17.28

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	G6M-13-04X	10/15/2015	19	19	52	0.76 J	1.0 U	32.7	10 U	18.6	9,470	388	33	7,930	2.8	269	0.16	5.8 J	2.0 U	6.6	0.29	-69.4	1.595	7.5	12.33
Area 5	G6M-13-04X	2/11/2016	0.70 J	5.9	15	1.5	1.0 U	50.9	10 U	18.9	5,690	392	33.9	7,390	3.2	261	0.099 J	6.1 J	2.0 U	6.66	1.23	-2.9	1.086	9.5	8.53
Area 5	G6M-13-04X	6/15/2016	12	18	19	1.2	0.73 J	55.0	2.80	20 J	9,300	340	27	6,800	1.7	280	0.05 U	3.6	1.0 U	6.69	0.59	-54.2	1.669	11.54	14.90
Area 5	G6M-13-04X	11/11/2016	4.9	17	17	0.86 J	0.62 J	36	2.2	12	7,000	340	28	7,600	1.6	250	0.05 U	4.0	1.0 U	7.21	0.88	-80.4	1.175	24.1	12.73
Area 5	G6M-97-05B	10/3/2011	5.7	0.58	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	6.21	3.91	166.4	0.357	1.48	12.4
Area 5	G6M-97-05B	10/12/2012	13	0.73	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	0.0194 J	25U	-	-	-	-	-	6.19	4.13	132	0.649	0.41	14.61
Area 5	G6M-97-05B	10/16/2013	26	0.70	0.63	0.5U	0.5U	0.5U	-	-	-	5U	0.1U	25U	-	-	-	-	-	6.15	3.88	123.8	0.513	3.86	13.76
Area 5	G6M-97-05B	10/28/2014	83	1.8	1.7	0.5U	0.5U	0.5U	-	-	-	2.5U	0.0293U	25UJ	-	-	-	-	-	6.21	3.38	112.1	0.499	2.78	11.07
Area 5	G6M-97-05B	6/19/2015	89	4.8	2.3	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	5.0 U	3.1 J	0.05 U	7.5 U	-	27.0	1.00	7.8 J	1.0 U	6.26	2.73	106.3	0.63	1.72	17.20
Area 5	G6M-97-05B	10/15/2015	117	6.90	3.40	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.0615 J	19	-	-	-	-	-	5.43	3.41	86.9	0.687	1.05	18.92
Area 5	G6M-97-05B	2/11/2016	97	11	3.8	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	4.0 U	0.10 U	15 U	1.0 U	29.3	1.0	7.8 J	2.0 U	6.33	4.72	131.7	0.43	16.7	7.32
Area 5	G6M-97-05B	6/15/2016	87	13	4.2	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.05 U	3.0 U	-	-	-	-	-	6.26	2.75	81.7	669	1.15	15.93
Area 5	G6M-97-05B	11/15/2016	140	13	4.2	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.021 J	2.4 J	-	-	-	-	-	6.39	3.37	129.4	0.469	0.87	11.73
Area 5	MW-3	10/17/2001	4,300	1,500	540	20U	10U	20U	-	-	-	-	-	-	-	-	-	-	-	5.70	0.9	-127	1.4	3.1	13.73
Area 5	MW-3	12/19/2001	26	4,000	2,200	20U	6.5J	20U	-	-	-	-	-	-	92	-	-	0.43J	-	6.28	0.43	-46	0.912	7.28	12.98
Area 5	MW-3	1/3/2002	-	-	-	-	-	-	0.063	0.21	18	180	30	-	44	-	-	-	-	4.77	1.33	-48	2.795	4.4	11.19
Area 5	MW-3	1/31/2002	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	6.64	0	-293	0.999	-	12.17
Area 5	MW-3	2/13/2002	4,400	1,700	1,600	1.6J	3.7	2U	0.079	0.29	53	190	20	8,300	15	-	0.10U	14	1.0J	6.65	0.75	-71	0.893	1.3	13.54
Area 5	MW-3	3/13/2002	5,200	640	1,400	1.4J	2.8	2U	0.093	0.37	66	180	16	8,400	7.3	-	0.10U	15	2.0U	6.72	0.25	-75	0.795	1.04	12.21
Area 5	MW-3	4/2/2002	3,100	1,000	1,700	2.2	4	2U	-	-	-	-	-	-	3.3J	-	-	-	-	6.74	4.28	-120	0.634	2.08	13.17
Area 5	MW-3	4/17/2002	1,200	1,300	1,600	1.2J	3.4	2U	0.025	0.087	54	240	37	17,000	6.1	-	3	7.9J	1.6J	6.60	4.39	-102	0.771	0.81	12.69
Area 5	MW-3	5/15/2002	31	23	2,600	3.5	6.7	2U	0.052	0.24	560	260	42	19,000	96	-	0.10U	3.9	1.6J	6.66	0.31	-124	1.46	1.68	14.23
Area 5	MW-3	6/27/2002	200U	200UJ	1,800	200UJ	100UJ	200UJ	0.021	0.082	3,900	490J	140	37,000J	270	-	14	4.4J	2.0U	6.70	1.64	-107	3.804	2.9	13.8
Area 5	MW-3	7/31/2002	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	6.76	0.15	-225	1.606	-	13.9
Area 5	MW-3	8/26/2002	990	640	580	2.1	4.4	2U	0.053	0.16	14,000	270	-	-	30	320	-	-	-	6.83	0.15	-138	1.285	6.5	18.8
Area 5	MW-3	10/28/2002	1,900	820	1,700	3.9	4.2	2U	0.3	0.23	6,300	330	39	9,700	6.3	190	0.10U	10	2.0U	6.70	0.4	-129	1.129	5.01	15.7
Area 5	MW-3	2/3/2003	3.0	2U	2,900	2U	7.1	2U	0.005U	0.26	28,000	330	120	-	180	580	-	1.0U		6.84	0.3	-159	1.322	6.7	18.2
Area 5	MW-3	7/16/2003	2.4	2U	2,700	2U	7.5	2.5	0.005U	0.1	23,000	520	170	-	17	450	-	4.0UB	2.0U	7.02	1.09	-138	1.464	39.2	16.1
Area 5	MW-3	9/24/2003	670	1,100	1,900	2.4	6.9	2U	0.005U	0.012	22,000	460	89	7,900	5.9	-	-	-	-	6.10	9.17	-138	1.222	18.9	15.3
Area 5	MW-3	1/9/2004	9.7	64	2,000	2U	5.6	2U	0.005U	0.005U	45,000	530	200J	15,000	130	500J	-	1.0U	2.0U	6.73	0.4	-195	1.347	14.6	-
Area 5	MW-3	3/11/2004	680	620	4,700	2U	7.6	2U	0.005U	0.005U	27,000	420	11	8,400	6.1	200	-	4.4	2U	6.58	0.62	-161	0.972	4.3	13.9
Area 5	MW-3	6/2/2004	2U	2U	1,800	2U	4.5	2U	0.005U	0.014	31,000	670MSA	150	23,000	290	810	-	0.98J	2U	6.95	0.1	-149	1.905	38.7	15.7
Area 5	MW-3	9/21/2004	210	250	1,900	2U	5.2	3.5	0.086	0.005U	28,000	660	200J	7,200	17	310	1J	4.3J	2U	6.66	0.95	-153.6	0.725	2.27	11.1
Area 5	MW-3	12/13/2004	2U	2U	750	2U	1U	610	0.092	3.5	17,000	510	160	5,400	8	210	1.1	1.4M	2U	6.62	1.6	-103.3	1.009	15.1	13.9
Area 5	MW-3	3/28/2005	23J	16J	1,000	50U	50U	280	0.005U	5.1	25,000	670	150	7,300	21	405	0.2U	1U	7.5J	6.49	0.34	-134.9	1.26	2.37	14.44
Area 5	MW-3	8/10/2005	440	80	120	2U	5.1	760	0.061J	13	22,000	680	180	4,400	43	338	0.05U	2U	8	11.13	0.71	-118.5	1.401	28.9	15.67
Area 5	MW-3	9/27/2005	1,100	240	180	1.8	9.1	360	0.020J	40	22,000	480	71J	2,500	5.6	96.8	0.05U	9.9J	3.4	6.36	0.21	-91.2	0.66	2.8	14.5
Area 5	MW-3	12/12/2005	37	67	52	20U	10U	480	0.055	100	26,000	566	100	-	18	180	0.083J	2U	5.6	6.66	0.11	-152.7	1.087	8	15.7
Area 5	MW-3	3/20/2006	620	350	120	3.1	3.9	220	0.025U	130	25,000	440	85	3,600	13	110	0.2U	6.31	1U	6.95	0.77	-106.2	0.871	3.71	14.88
Area 5	MW-3	6/22/2006	2U	2U	4	7.6	1U	6.1	0.023J	180	20,000	520	87	3,300	4J	98	0.2U	1U	1U	6.40	0.22	-127	1.012	4.18	12.97
Area 5	MW-3	9/20/2006	360	420	130	12	5.6	200	0.015J	95	17,000	580	70	3,300	9.6	70	0.2U	7.88	1.4	6.52	0.28	-108.5	0.729	3.56	13.28
Area 5	MW-3	12/12/2006	2U	3.1	3.1	16	1U	7.1	0.032	170	24,000	490	92	3,700	7.8	-	-	1U	1U	6.60	0.17	-116	0.99	4.36	12.34
Area 5	MW-3	3/27/2007	2U	31	19	12	1U	27	0.025U	130	18,000	560	110	3,300J	5.2	-	-	3.18	1U	6.28	0.19	21	0.944	2.64	13.6
Area 5	MW-3	6/11/2007	2U	5	5.4	15	1U	8	0.038	150	32,000	570	190	5,000	67	-	-	12.1	2.2	6.56	0.58	-124.7	1.405	17.3	12.26
Area 5	MW-3	9/11/2007	610	470	100	6.4	2.6	97	-	-	-	530	100	3,600	-	150	0.2U	400	1U	6.76	0.23	-130	1.016	6.8	13.48
Area 5	MW-3	10/12/2007	-	-	-	-	-	-	0.025U	120	34,000	-	-	-	3.8J	-	-	-	-	-	-	-	-	-	12.51
Area 5	MW-3	12/13/2007	250	180	59	8.8	2.4	78	0.016J	130	30,000	420	91	4,400	4.1J	-	-	10	1U	6.6	0.27	-159.8	1.04	15.7	19.2
Area 5	MW-3	3/10/2008	2U	2U	2U	8.3	1U	2U	18	35	29,000	530	140	3,300	16	-	-	5U	2.4	6.46	0.12	-113	1.402	5.5	14.26
Area 5	MW-3	10/6/2008	5U	5U	5U	11	5U	5U	1.3U	72	28,000	482	112	3,720	10U	210	0.13U	7.0U	0.03UJ	6.49	0.24	-158.6	1.070	9.3	21.5
Area 5	MW-3	1/21/2009	1.4U	2.3U	1.6J	9.2	1.2U	1.9	3.2	58	40,000	556	114J	3,350	10UJ	160	0.13U	7.0U	0.03U	6.69	0.5	-79.9	1.044	4.01	15.5
Area 5	MW-3	5/7/2009	2.0U	59	48	17	2.0U	66	1.3	70	47,000	519	115	3,630	7.0J	360J	0.13U	22	0.03U	6.26	1.03	-89.9	1.205	4.54	18.86

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	MW-3	10/19/2009	2U	35	25	9.4	2U	40	1.2U	36	25,000	551	120	5,330	6.7J	490	0.13U	28	0.03UJ	6.24	0.6	-62.6	1.494	25.6	15.54
Area 5	MW-3	4/20/2010	0.5UJ	0.48J	0.47J	4.7J	0.5UJ	2.5J	10	19	47,000	526	136J	3,200	9.0J	440	0.13U	3.4J	0.03U	6.33	0.16	5.4	1.445	0.09	11.12
Area 5	MW-3	10/5/2010	0.5U	4.8	3.4	7.5	0.5U	20	1.2U	69	32,000	444	76	3,560	10U	750	0.13U	4.5J	0.03U	6.20	0.20	-85.9	1.799	0.58	11.94
Area 5	MW-3	6/8/2011	0.5U	0.66	0.93	4.4	0.5U	17	4.5	18	100,000	374	53.6	2,570	12	690	0.13U	1.7J	0.03U	6.34	0.30	-91.1	1.232	3.56	11.96
Area 5	MW-3	10/3/2011	0.5U	0.5U	0.52	1.7	0.5U	1.0	1.2U	1.5U	40,000	385	45.8	2,760	10	730	0.13U	0.74J	0.03U	6.47	0.13	-88.1	1.544	0.9	12.14
Area 5	MW-3	5/8/2012	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	51	110	66,000	276	27	3,140	7.5J	600	0.13U	0.82J	0.03U	6.77	0.08	-107.2	1.856	4.6	12.24
Area 5	MW-3	10/10/2012	0.5U	0.5U	0.5U	0.54	0.5U	1.2	61	100	36,000	267	25.7	4,810	5.6J	520	0.13U	1.4J	0.03U	6.45	0.51	-87.6	1.738	0.92	12.1
Area 5	MW-3	5/21/2013	0.5U	0.5U	0.30J	0.39J	0.5U	0.75	1.2U	1.5U	10,000	281	24.7	6,460	4.3J	530J	0.13UJ	0.64J	0.03UJ	6.76	0.12	-105.2	1.277	2.75	11.48
Area 5	MW-3	10/16/2013	0.5U	0.21J	0.36J	0.32J	0.5U	0.94	12	11	38,000	298	26.6	7,970	5.2J	510	0.13U	1.9J	0.03U	6.75	0.40	-87.4	1.437	0	11.96
Area 5	MW-3	6/11/2014	0.5U	0.5U	0.5U	0.37J	0.5U	0.83	2.9J	1.6UJ	5,100J	354	34.3J	11,100	8.3J	330J	0.13U	1.2U	0.03U	6.70	0.51	-67.6	1.062	6.18	11.84
Area 5	MW-3	10/29/2014	0.5U	0.27J	0.68	0.38J	0.5U	0.53	3.8	1.5U	13,000	334	30.1J	10,500J	5.2J	370	0.13U	2.4J	0.03U	6.8	0.34	-110.1	0.756	3.79	11.95
Area 5	MW-3	6/23/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	5.0 U	4,830	409	37.1	11,000	5.00	366	0.11 U	5.1 J	1.0 U	6.34	1.07	-89.4	1.262	5.85	14.23
Area 5	MW-3	10/15/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.54 J	10 U	10 U	4,570	420	41.9	12,600	4.9	349	0.071	10 U	2.0 U	6.97	0.48	-112.1	1.215	1.38	13.86
Area 5	MW-3	2/10/2016	1.0 U	1.0 U	1.0	1.0 U	1.0 U	0.88 J	10 U	10 U	7,260	423	49	12,000	5.4	341	0.094 J	10 U	2.0 U	6.72	1.12	-109.7	0.851	10.5	9.14
Area 5	MW-3	6/16/2016	1.0 U	1.0 U	1.5	1.0 U	1.0 U	0.89 J	3.0	1.0 U	20,000	410	45	9,800	6.1	350	0.05 UJ	1.3	1.0 U	6.81	0.66	-77.4	1.36	4.93	14.27
Area 5	MW-3	11/11/2016	1.0 U	0.96 J	1.7	1.0 U	1.0 U	1.6	2.9	1.0 U	7,000	410	47	9,500	6.4	370	0.05 U	1.4	1.0 U	7.22	0.83	-97.8	0.871	7.77	12.73
Area 5	MW-7	2/14/2002	5,900	4.5	2U	2U	1U	2U	0.12	0.08	8.4	5U	1U	170J	-	-	-	20	0.6J	6.12	1.58	104	0.787	90	18.84
Area 5	MW-7	3/14/2002	5,700	4.2	2U	2U	1U	2U	0.094	0.18	5.9J	5U	1U	1,000U	2.0J	-	4.1	22J	2.0U	6.12	2.29	203	0.808	8.85	12.76
Area 5	MW-7	4/17/2002	4,200	2.9	2U	2U	1U	2U	0.072	0.2	6	2.3J	1U	1,000U	5U	-	4.2	18J	1.6J	6.11	0.5	145	0.656	19.5	-
Area 5	MW-7	5/16/2002	5,700	4.3	2U	2U	1U	2U	0.097	0.2	9	5U	1U	1,000U	5U	-	4.3	18J	2.0UJ	6.05	0.21	185	0.759	23.9	10.92
Area 5	MW-7	6/27/2002	5,300	3.8J	2UH	2UH	10H	2UH	-	-	-	5U	1U	170UJ	5U	-	4.2	19J	2.0U	6.13	0.73	163	1.198	100	11.12
Area 5	MW-7	8/27/2002	4,700	3.5	2U	2U	1U	2U	-	-	-	5U	-	-	5U	29	-	-	-	6.13	0.29	136	0.632	1.86	12.02
Area 5	MW-7	10/30/2002	5,400	2.7	2U	2U	1U	2U	0.047	0.18	20	5U	1U	200J	5U	23	4.9	16	2.0U	6.05	0.37	66	0.779	3.63	11.85
Area 5	MW-7	12/14/2002	-	-	-	-	-	-	-	-	-	-	-	-	5U	-	-	-	-	-	-	-	-	-	12.04
Area 5	MW-7	1/30/2003	4,700	3.1	2U	2U	1U	2U	0.044	0.075	23	5U	1U	-	5U	19	-	16	-	5.80	2.2	171	0.773	1.08	13.43
Area 5	MW-7	9/24/2003	4,200	3.3	2U	2U	1U	2U	0.015	0.027	58	5U	1U	140	5U	-	-	-	-	3.40	1.43	522	0.691	0.3	-
Area 5	MW-7	1/8/2004	4,300	2.8	2U	2U	1U	2U	0.011	0.026	25	5U	1U	130	5U	27	-	14J	2.0U	6.02	0	198	0.481	15	11.59
Area 5	MW-7	3/12/2004	3,100	2.7	2U	2U	1U	2U	0.02	0.28	6.3	5U	1U	120	1U	24	-	15M	2U	6.04	0.47	162	0.556	1.0	13.99
Area 5	MW-7	6/3/2004	2,900	2.6	2U	2U	1U	2U	0.012	0.034	34	5U	1U	110	1.5J	24	-	15M	2U	5.96	0.31	205.2	0.58	1.92	
Area 5	MW-7	9/21/2004	2,900	3.4	3.1	2U	1U	2U	-	-	-	5U	1U	110	-	-	-	-	-	5.98	0.21	240.4	0.58	0	11.09
Area 5	MW-7	9/27/2005	1,600	3.7	5.8	2.5U	2.5U	2.5U	-	-	-	5U	0.2J	110	-	-	-	-	-	4.49	0.93	304.1	0.593	3.39	11.86
Area 5	MW-7	9/22/2006	4,400	9.8	7.7	2U	1U	2U	-	-	-	5U	0.10U	100	-	-	-	-	-	5.99	1.19	140.9	0.503	3.01	12.70
Area 5	MW-7	9/11/2007	1,200	11	22	2U	1U	2U	-	-	-	6U	0.1U	110	-	-	-	-	-	5.98	0.32	139.9	0.691	5.9	-
Area 5	MW-7	10/20/2008	600	40	150	20U	20U	20U	-	-	-	8U	0.2U	166	-	-	-	-	-	5.97	1.39	71.9	0.804	2.0	14.72
Area 5	MW-7	10/19/2009	97	33	270	10U	10U	10U	-	-	-	4.2J	1.7	2,170	-	-	-	-	-	6.03	0.47	76.7	1.686	1.91	14.58
Area 5	MW-7	10/6/2010	45	9.5	120	2.5U	2.5U	3.1	-	-	-	5.7	1.46	2,090	-	-	-	-	-	6.53	0.21	-21.6	2.072	4.81	11.46
Area 5	MW-7	10/6/2011	1.6	3.7	20	0.5U	0.5U	6.8	-	-	-	52.9	5.44	5,070	-	-	-	-	-	6.6	0.49	-48.8	1.717	3.0	-
Area 5	MW-7	10/12/2012	2.3	2.3	9.9	0.70	0.5U	11	-	-	-	140	20.5	9,900	-	-	-	-	-	6.38	0.65	-65	1.253	0	-
Area 5	MW-7	10/17/2013	1.5	6.9	13	0.24J	0.5U	2.2	-	-	-	156	20.9	9,360	-	-	-	-	-	6.72	0.58	-68.2	1.152	0	10.50
Area 5	MW-7	11/3/2014	1.7	8.4	13	0.27J	0.5U	1.5	-	-	-	205	29.9	15,300	-	-	-	-	-	6.62	0.41	-74.2	0.878	1.94	10.28
Area 5	MW-7	10/15/2015	1.0 U	1.70	12.4	1.0 U	1.0 U	1.10	-	-	-	198	30.2	15,100	-	-	-	-	-	6.83	0.84	-68.2	0.926	1.50	11.26
Area 5	MW-7	11/14/2016	1.0 U	1.4	22	1.0 U	1.0 U	37	-	-	-	110	19	13,000	-	-	-	-	-	6.01	1.24	-63.5	0.77	7.42	13.2
Area 5	XSA-12-95X	10/12/2012	290	36	66	5.0U	5.0U	10	-	-	-	4.6J	9.53	11,800	-	-	-	-	-	6.53	2.04	-63.9	1.247	45	12.77
Area 5	XSA-12-95X	10/15/2013	160	51	100	4.7J	5.0U	6.5	-	-	-	12.8	5.17	9,890	-	-	-	-	-	6.59	0.3	-254.4	1.411	24.4	13.11
Area 5	XSA-12-95X	10/28/2014	110	39	94	5.0	0.47J	9.0	-	-	-	8.3	4.47J	9,310J	-	-	-	-	-	6.9	0.18	-315.7	0.906	20.2	14.23
Area 5	XSA-12-95X	10/19/2015	27	20	1.0 U	1.0 U	6.70	7.20	-	-	-	4.0 U	4.77	10,600	-	-	-	-	-	7.97	1.77	-103.6	1.385	15.3	-
Area 5	XSA-12-95X	11/14/2016	23	9.8	78	4.3	1.0 U	7.4	-	-	-	3.0 U	1.9	8,400	-	-	-	-	-	6.58	1.21	-59.7	1.048	28.1	12.69
Area 5	XSA-12-96X	10/10/2012	120	4.4	14	2.0U	2.0U	2.0U	-	-	-	5U	3.13	96.8	-	-	-	-	-	6.52	0.72	-87.1	0.782	3.9	12.33
Area 5	XSA-12-96X	10/15/2013	100	11	17	2.5U	2.5U	3.7	-	-	-	3.7J	0.94	2,840	-	-	-	-	-	6.46	0.27	-271.6	0.824	0.90	15.90
Area 5	XSA-12-96X	10/28/2014	84	14	22	2.3	0.36J	6.0	-	-	-	3.2J	0.925J	5,720J	-	-	-	-	-	6.73	0.14	-300.6	0.625	4.83	12.11
Area 5	XSA-12-96X	10/26/2015	30	14	1.0 U	1.0 U	3.40	10.2	-	-	-	4.0 U	2.19	7,340	-	-	-	-	-	6.34	0.66	-77.9	0.787	9.41	12.98

Table 4.2
Historical Groundwater Analytical Results
AOC 50, Former Fort Devens Army Installation, Massachusetts

			Laboratory Parameters																Field Parameters					
Area	Well ID	Date	PCE (µg/L)	TCE (µg/L)	*cis* -1,2-DCE (µg/L)	*trans* -1,2-DCE (µg/L)	1,1-DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (µg/L)	TOC (mg/L)	Alkalinity (mg/L)	Nitrate/ Nitrite (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)	SpC (mS/cm)	Turbidity (NTUs)	Temp °C
Area 5	XSA-12-96X	11/14/2016	29	19	20	4.9	0.59 J	11	-	-	-	3.0 U	1.2	6,300	-	-	-	-	-	5.63	0.66	-25.5	0.733	9.26	11.67
Area 5	XSA-12-97X	10/9/2012	2.1	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	1.430 J	44.4	-	-	-	-	-	6.66	1.3	-11.9	0.673	33.8	11.73
Area 5	XSA-12-97X	10/16/2013	2.9	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	5U	2.25	29.3	-	-	-	-	-	6.74	1.74	-21.9	0.721	19.6	12.06
Area 5	XSA-12-97X	10/30/2014	5.6	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5U	0.435	9.1J	-	-	-	-	-	6.51	1.52	51.8	0.522	17.5	17.21
Area 5	XSA-12-97X	10/19/2015	7.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.771	15	-	-	-	-	-	6.62	1.39	31.9	0.614	13.9	10.02
Area 5	XSA-12-97X	11/14/2016	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.77	12	-	-	-	-	-	7.62	1.68	-57.9	0.526	18.4	11.61
Area 5	XSA-12-98X	10/11/2012	10	0.59	0.50	0.5U	0.5U	0.5U	-	-	-	5U	1.420	18.4 J	-	-	-	-	-	7.75	0.76	-60.1	0.308	8.89	13.14
Area 5	XSA-12-98X	10/16/2013	5.2	0.34J	0.47J	0.5U	0.5U	0.5U	-	-	-	3.1J	0.1U	6.6J	-	-	-	-	-	7.89	0.51	-39.8	0.413	51	10.53
Area 5	XSA-12-98X	10/29/2014	5.5	0.37J	0.76	0.5U	0.5U	0.5U	-	-	-	2.5U	0.313	5.6J	-	-	-	-	-	8	0.46	-293.1	0.258	44.8	10.63
Area 5	XSA-12-98X	10/19/2015	6.3	0.66 J	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	4.0 U	0.174	15 U	-	-	-	-	-	8.04	0.42	-194.4	0.31	3.62	10.70
Area 5	XSA-12-98X	11/11/2016	5.6	0.69 J	0.81 J	1.0 U	1.0 U	1.0 U	-	-	-	3.0 U	0.095	3.1 J	-	-	-	-	-	7.98	0.52	-140.7	0.233	16.1	9.67
Nashua River	G6M-04-14X	11/16/2004	12	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.3
Nashua River	G6M-04-14X	9/27/2005	6.9	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.88	1.6	333	0.263	18	13.22
Nashua River	G6M-04-14X	9/21/2006	9.4	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.98	3	26.1	0.211	15.7	11.11
Nashua River	G6M-04-14X	10/1/2007	7.1	2U	2U	2U	1U	2U	-	-	-	-	-	-	-	-	-	-	-	7.69	2.56	80.4	0.363	13.9	10.71
Nashua River	G6M-04-14X	10/21/2008	7.1J	0.21J	0.5UJ	0.5UJ	0.5UJ	0.5UJ	-	-	-	-	-	-	-	-	-	-	-	7.78	2.51	138.8	0.237	45	12.98
Nashua River	G6M-04-14X	10/15/2009	4.5J	250	10U	10U	10U	10U	-	-	-	-	-	-	-	-	-	-	-	7.56	3.6	-69.7	0.25	4.58	11.54
Nashua River	G6M-04-14X	1/15/2010	4.5	0.22J	0.5U	0.75U	0.75U	1.0U	-	-	-	-	-	-	-	-	-	-	-	7.73	25.3	166.2	0.293	12.5	11.64
Nashua River	G6M-04-14X	10/8/2010	2.4	0.25J	0.5U	0.5U	0.5U	0.5U	-	-	-	-	-	-	-	-	-	-	-	7.55	1.92	72.7	0.307	100.4	12.54
Nashua River	G6M-04-14X	10/5/2011	2.2	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	6.8	0.1U	25U	-	-	-	-	-	7.68	2.62	99.9	0.172	20.4	11.07
Nashua River	G6M-04-14X	10/15/2012	3.3	0.5U	0.5U	0.5U	0.5U	0.5U	-	-	-	9.6	0.194	7.7J	-	-	-	-	-	7.71	2.58	-10.9	0.297	21.7	16.33
Nashua River	G6M-04-14X	10/18/2013	1.7	0.34J	0.5U	0.5U	0.5U	0.5U	-	-	-	8.2	0.1U	7.5U	-	-	-	-	-	7.89	1.25	94	0.479	27.1	15.03
Nashua River	G6M-04-14X	10/31/2014	1.8	0.40J	0.5U	0.5U	0.5U	0.5U	-	-	-	2.5U	0.0507U	7.5U	-	-	-	-	-	7.93	0.4	54.4	0.423	8.26	15.56
Nashua River	G6M-04-14X	10/26/2015	1.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-	9.8	0.0731 J	15 U	-	-	-	-	-	7.89	1.44	79.2	0.482	18.9	13.11
Nashua River	G6M-04-14X	11/11/2016	2.5	1.4	1.2	1.0 U	1.0 U	1.0 U	-	-	-	8.3	0.05 U	2.1 J						7.48	0.84	-106.7	0.35	10.14	10.53
Area 5	IW-39	1/30/2014	180	4.4	15	4U	4U	4U	-	-	-	-	-	-	-	-	-	-	-	6.56	0.91	44.9	0.78	3.68	12.31

µg/L = micrograms per liter
mg/L = milligrams per liter

U/UJ = not detected
J = estimated
FDSA = Former Drum Storage Area

Table 5.1
Low Flow versus Hydrasleeve Groundwater Sample Comparison
Spring 2016 - AOC 50
Former Fort Devens Army Installation - Devens, Massachusetts

	Low Flow Technique		Hydrasleeve™ Technique		
	G6M-02-11X_SPR16		G6M-02-11X-H		
	6/15/2016		6/16/2016		
Analyte	**Result (ug/L)**	**Flag**	**Result (ug/L)**	**Flag**	**RPD (%)**
Iron, Dissolved	35,000		35	J	200
Manganese, Dissolved	9,000		9,100		1.1
Arsenic, Dissolved	550		4.5		197
1,2-Dichloroethene, Total	0.95	J	1.0	U	NC
cis-1,2-Dichloroethene	0.63	J	0.41	J	42.3
	G6M-04-02X_SPR16		G6M-04-02X-H		
	6/13/2016		6/16/2016		
	Result (ug/L)	**Flag**	**Result (ug/L)**	**Flag**	
Iron, Dissolved	44,000	J	210		198
Manganese, Dissolved	8,000	J	2,400		108
Arsenic, Dissolved	200		5.1		190
1,2-Dichloroethene, Total	24		73		101
cis-1,2-Dichloroethene	23		73		104
Tetrachloroethene	120		9.4		171
Trichloroethene	48		12		120
Vinyl chloride	3.4		5.3		44
	G6M-13-05X_SPR16		G6M-13-05X-H		
	6/15/2016		6/16/2016		
	Result (ug/L)	**Flag**	**Result (ug/L)**	**Flag**	
Iron, Dissolved	22	J	50	U	NC
Manganese, Dissolved	130		110		16.7
Arsenic, Dissolved	3.0	U	1.5	J	NC
1,2,4-Trimethylbenzene	8.1	J	20	U	NC
1,2-Dichloroethene, Total	50		46		8.33
cis-1,2-Dichloroethene	50		46		8.33
Tetrachloroethene	1,200		1,100		8.70
Trichloroethene	9.6	J	16	J	50
	G6M-97-28X*		G6M-97-28X-H*		
	6/16/2016		6/16/2016		
	Result (ug/L)	**Flag**	**Result (ug/L)**	**Flag**	
Iron, Dissolved	6,000		53		196
Manganese, Dissolved	2,200		3,000		30.8
Arsenic, Dissolved	190		18		165

Notes:

Non-detect parameters are not included in this table.

µg/L - microgram per liter

J - Estimated result

U - non-detect

RPD - Relative percent difference

NC - Not calculated (due to a non-detect result)

* = Samples from location G6M-97-28X were submitted for metals analysis only.

APPENDIX A
GROUNDWATER MONITORING FIELD FORMS

A.1

February 2016 Sampling Event

H&S

Instrument Calibration Log

Project/Site Name: Devers ARC50 **Calibrated By:** VHA

Instrument/Serial Number	Pre-Cal 0-AM (NTU)	Pre-Cal 0-PM (NTU)	Pre-Cal 10-AM (NTU)	Pre-Cal 10-PM (NTU)	Post-Cal 0-AM (NTU)	Post-Cal 0-PM (NTU)	Post-Cal 10-AM (NTU)	Post-Cal 10-PM (NTU)	Date
LaMotte 2020we #1925	0.3	0.2	10.3	10.2	0.0	0.0	10.0	10.0	2/9/16
"	0.2	0.1	10.1	10.3	0.0	0.0	10.0	10.0	2/10/16
"	0.4	0.2	10.2	10.1	0.0	0.0	10.0	10.0	2/11/16
"	0.3	0.1	10.3	10.0	0.0	0.0	10.0	10.0	2/12/16
"	0.5	0.2	10.5	10.2	0.0	0.0	10.0	10.0	2/18/16
"	0.4	0.3	10.2	10.1	0.0	0.0	10.0	10.0	2/19/16
"	0.3	0.1	10.1	10.1	0.0	0.0	10.0	10.0	2/22/16
~~"~~	~~0.1~~	~~0.2~~	~~10.4~~	X					~~2/24/16~~
"	0.1	X	10.4	X	0.0	X	10.0	X	2/24/16

Signature: _____ Date: 2/24/16

H&S

Instrument Calibration Log

Project/Site Name: Pecos AOC50 **Date:** 2/9/16 **Weather:** 20's / Snow

Calibrated By: IGA **Instrument:** YSI 556 MPS **Serial Number:** 09G100704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.412	9.87	1.413	✓
pH (7)	7.01		7.00	
pH (4)	4.00		4.03	
pH (10)	9.99		10.02	
ORP (mv)	240.1		239.0	
Dissolved Oxygen (%)	100.0		100.2	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/9/16

H&S

Instrument Calibration Log

Project/Site Name: Davis ADCP **Date:** 2/10/16 **Weather:** 20's / Snow

Calibrated By: MA **Instrument:** YSI 556 MPS **Serial Number:** 09G100704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.412	8.15	1.415	
pH (7)	7.03		7.01	
pH (4)	4.02		4.04	
pH (10)	10.00		10.03	
ORP (mv)	240.2		241.0	
Dissolved Oxygen (%)	100.0		100.0	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/10/16

H&S

Instrument Calibration Log

Project/Site Name: Pams ADC50 **Date:** 2/11/16 **Weather:** 20's cloudy

Calibrated By: WLA **Instrument:** YSI 556 MPS **Serial Number:** 09L100704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.414	8.69	1.413	
pH (7)	6.97		6.99	
pH (4)	4.00		4.04	
pH (10)	9.97		10.00	
ORP (mv)	240.3		242.1	
Dissolved Oxygen (%)	100.1		100.2	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/11/16

H&S

Instrument Calibration Log

Project/Site Name: Dams Area 50 **Date:** 2/12/16 **Weather:** 0° windy

Calibrated By: LGA **Instrument:** YSI 556 MPS **Serial Number:** 09G00704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1,410	6.15°	1,412	
pH (7)	6.94		7.00	
pH (4)	4.03		4.01	
pH (10)	10.02		10.04	
ORP (mv)	240.3		240.1	
Dissolved Oxygen (%)	109.0		100.3	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/12/16

H&S

Instrument Calibration Log

Project/Site Name: Devens AOC 50 **Date:** 2/18/16 **Weather:** 10's

Calibrated By: MA **Instrument:** YSI 556 WPS **Serial Number:** 096100704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.411	5.78	1.412	
pH (7)	6.97		7.00	
pH (4)	4.00		4.00	
pH (10)	10.00		10.01	
ORP (mv)	240.2		240.0	
Dissolved Oxygen (%)	100.0		100.2	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/18/16

H&S

Instrument Calibration Log

Project/Site Name: Davis Aec50 **Date:** 2/19/16 **Weather:** 10's

Calibrated By: WA **Instrument:** YSI 556 MPS **Serial Number:** 09 b 100 704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.413	6.59	1.414	
pH (7)	6.99		7.01	
pH (4)	4.00		4.03	
pH (10)	10.04		10.01	
ORP (mv)	240.6		240.2	
Dissolved Oxygen (%)	100.0		100.0	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/19/16

H&S

Instrument Calibration Log

Project/Site Name: Davis AOC 50 **Date:** 2/22/16 **Weather:** 30's

Calibrated By: MA **Instrument:** YSI 556 MPS **Serial Number:** 09L100704

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.413	11.15	1.413	
pH (7)	7.00		6.99	
pH (4)	4.01		4.00	
pH (10)	9.98		10.02	
ORP (mv)	240.1		240.3	
Dissolved Oxygen (%)	100.1		100.3	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/22/16

H&S

Instrument Calibration Log

Project/Site Name: Devons AOC50 **Date:** 2/24/16 **Weather:** 40's, Heavy Rain

Calibrated By: KGA **Instrument:** YSI 556 MPS **Serial Number:** 09G1007H

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.411	11.39		only one well done
pH (7)	7.00			
pH (4)	4.02			
pH (10)	9.99			
ORP (mv)	240.1			
Dissolved Oxygen (%)	100.2			
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)				

Signature: [signature] Date: 2/24/16

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Dynes ADC 50 **Date:** 2/9/16

Location: _____ **Sampler:** LCA

Well ID: LGM-13-06X **PID:** _____

Start Time: _____ **End Time:** _____

Well Construction: PVC

Depth to Water: 15.31

Well Depth: _____

Water Column: _____

Total Volume Removed (L): _____

Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556MPS	09L100704
Lmotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
950 ~~1340~~	.5	100	15.09	6.88	6.43	1222	2.82	30.8	5.78	slight yellow
955 ~~1345~~				6.60	6.47	1211	1.59	-0.2	3.99	
1000 ~~1350~~				6.70	6.39	1205	1.33	-12.3	3.81	
1005				6.70	6.38	1208	1.12	-20.7	3.77	
1010				7.04	6.37	1206	1.09	-22.6	3.70	
1015				7.11	6.35	1204	1.07	-23.7	3.69	
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1020		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved metals
		50ml	1	NaOH	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	$NaOH$	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

Signature

2/9/16

Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Davis AOC 50
Location:
Well ID: 66M-04-40X

Date: 2/9/16
Sampler: MA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: ✓

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09G100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1340	1.0	200	15.31	8.78	6.12	1896	5.65	98.3	22.2	Clear
1345	↓	↓	↓	8.57	5.48	1937	3.07	164.0	21.3	↓
1350				8.46	5.45	1933	2.88	180.9	20.9	
1355				8.49	5.48	1929	2.73	187.6	19.9	
1400				8.53	5.43	1928	2.68	193.6	19.7	
1405				8.59	5.47	1924	2.57	195.9	19.6	
1410	↓	↓	↓	8.62	5.49	1922	2.49	196.7	19.3	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1420		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NaOH	Sulfide Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments MS, MSD collected

Signature

2/9/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-93-13X

Date: 2/9/16
Sampler: MGA
PID:

Start Time: _____ End Time: _____
Well Construction:
Depth to Water: PVC
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?: ✓

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	96100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1610	.5	100	15.56	8.45	6.23	362	2.37	220.7	14.8	clear
1615				8.78	6.22	350	1.80	225.7	12.1	
1620				8.94	6.20	350	1.73	227.6	11.7	
1625				8.97	6.20	352	1.68	230.5	11.0	
1630				8.98	6.20	351	1.66	231.3	10.9	
1635	↓	↓	↓	8.96	6.21	350	1.64	232.3	10.7	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1640		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500 ~~250ml~~	1	NaOH	Sulfide, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

Signature

2/9/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: _____

Location: Devons AOC 50

Well ID: 66M-13-05X

Date: 2/10/16

Sampler: [illegible]

PID: _____

Start Time: _____ End Time: _____

Well Construction: PVC

Depth to Water: 16.37

Well Depth: _____

Water Column: _____

Total Volume Removed (L): _____

Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09L100704
LaMotte	2020wE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
815	1.5	100	16.37	8.99	6.51	435	6.24	238.0	22.7	Clear
820	↓	↓	16.47	9.52	6.26	486	5.06	241.0	22.0	↓
825			↓	9.70	6.22	516	4.53	243.5	21.7	
830				9.69	6.21	518	4.47	243.9	20.7	
835	↓	↓	↓	9.67	6.20	523	4.39	244.6	20.2	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
840		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NaOH	Sulfide, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

[signature]
Signature

2/10/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Davis AOC 50
Location:
Well ID: 66M-04-02X

Date: 2/10/16
Sampler: MA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
Lamotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1035	5	100	62.10	8.75	6.83	486	1.87	-139.5	13.3	Clear
1040	↓	↓	↓	10.12	6.80	537	0.97	-118.7	11.6	↓
1045				10.09	6.77	536	0.91	-115.0	11.1	
1050				10.07	6.75	538	0.89	-113.0	11.0	
1055	↓	↓	↓	10.04	6.74	536	0.87	-112.9	10.8	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1100		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

DUP-2 collected @ 1130

Signature

2/10/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location: _____
Well ID: MW-3

Date: 2/10/16
Sampler: WH
PID: _____

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1450	.5	100	61.99	7.29	6.81	750	8.88	18.2	15.2	Clear
1455			62.47	8.30	6.65	830	3.60	-39.6	14.1	
1500			63.04	8.40	6.64	824	2.79	-92.7	12.9	
1505			63.09	8.79	6.67	837	1.88	-98.8	11.6	
1510				9.05	6.71	844	1.34	-104.8	11.3	
1515				9.09	6.73	847	1.30	-106.9	10.9	
1520				9.11	6.74	850	1.23	-108.7	10.3	
1525	↓	↓	↓	9.14	6.72	851	1.12	-109.7	10.5	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1530		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NaOH	Sulfide, TAL/Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

Signature

2/10/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Pevens AOC 50
Location:
Well ID: 66M-97-05B

Date: 2/11/16
Sampler: LCH
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	~~MPS~~ 556 MPS	09B100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
845	.375	75	66.12	6.20	6.70	412	9.78	73.6	20.1	clear
850	↓	↓	↓	6.40	6.47	418	6.59	87.3	18.6	↓
855				6.89	6.43	420	6.06	92.0	17.9	
900				7.16	6.37	425	5.05	109.6	17.6	
905				7.28	6.33	428	4.80	126.7	17.1	
910				7.30	6.34	429	4.74	129.6	16.9	
915	↓	↓	↓	7.32	6.33	430	4.72	131.7	16.7	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
920		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved Gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NaOH	Sulfide, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

DUP-3 collected @ 945

L. M. Mendoza
Signature

2/11/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devons Doc 50
Location:
Well ID: 66M-13-04X

Date: 2/11/16
Sampler: LCH
PID:

Start Time: End Time:
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1210	.5	100	63.83	8.03	6.71	951	3.21	17.3	1.5	Clear
1215				8.23	6.64	1069	1.78	1.9	10.2	
1220				8.40	6.65	1072	1.49	-0.9	9.7	
1225				8.50	6.66	1081	1.37	-1.3	9.7	
1230				8.49	6.68	1082	1.29	-2.6	9.4	
1235	↓	↓	↓	8.53	6.66	1086	1.23	-2.9	9.5	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1240		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NaOH	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

Signature

2/11/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devers AOC 50
Location:
Well ID: 661-02-11X

Date: 2/11/16
Sampler: VBA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
LaMotte	2020we	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
M05	.750	150	61.63	9.95	6.95	67.9	1.39	-99.5	6.58	Clear
M10	↓	↓	↓	10.06	6.93	6.92	0.88	-105.0	6.21	↓
M15				10.16	6.97	707	0.73	-109.7	5.41	
M20				10.14	7.00	709	0.69	-111.1	2.39	
M25				10.12	7.00	714	0.64	-114.8	2.19	
M30				10.13	7.01	716	0.62	-116.9	2.17	
M35				10.14	7.02	717	0.60	-117.2	2.14	
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
M40		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	$NaOH$	Sulfide, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	$NaOH$	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

Signature

2/11/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devons AOC 50

Location:

Well ID: 66M-97-28X

Date: 2/12/16 VBR

Sampler:

PID:

Start Time: _____ End Time: _____

Well Construction: PVC

Depth to Water: 63.01

Well Depth: 107.03

Water Column:

Total Volume Removed (L):

Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	YSI MPS	09[illegible]6100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
835	15	199	62.74	5.28	7.01	224	4.86	90.1	12.99	Clear
840	↓	↓	↓	5.49	6.97	218	2.99	79.9	9.67	↓
845				6.02	6.93	214	2.07	75.8	8.78	
850				6.04	6.92	212	2.03	73.2	8.69	
855	↓	↓	↓	6.05	6.92	210	1.99	72.8	8.64	↓

Acceptance Criteria:	<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
900		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NaCl	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	~~HCl~~ NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

MS/MSD collected

Signature

2/12/16

Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Peters AOC 50
Location:
Well ID: 66M-02-04X

Date: 2/12/16
Sampler: VGM
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	YSI 556MPS	09L100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1110	1.5	100	61.97	10.89	7.11	648	1.56	-52.8	2.14	clear
1115	↓	↓	↓	11.12	7.04	669	0.94	-67.2	2.07	↓
1120				11.20	7.01	685	0.84	-70.9	2.01	
1125				11.25	7.07	706	0.84	-77.6	1.99	
1130				11.27	7.08	709	0.81	-78.9	1.93	
1135	↓	↓	↓	11.26	7.08	711	0.79	-79.7	1.94	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1140		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NONE	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

Signature

2/12/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-04-01X

Date: 2/18/16
Sampler: KLA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 WPS	096100704
LaMotte	2020 WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1150	.5	100	54.87	9.60	6.90	1669	7.97	206.9	11.2	clear
1155	↓	↓	↓	9.57	6.63	1709	4.01	203.1	9.99	↓
1200	↓	↓	↓	9.60	6.43	1780	2.79	193.8	9.70	↓
1205	↓	↓	↓	9.58	6.59	1686	1.99	191.6	7.03	↓
1210	↓	↓	↓	9.58	6.69	1617	1.86	187.9	6.51	↓
1215	↓	↓	↓	9.57	6.70	1619	1.70	184.3	6.47	↓
1220	↓	↓	↓	9.49	6.68	1624	1.67	182.6	6.39	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1225		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NONE	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

[signature]
Signature

2/18/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-02-01X

Date: 2/18/16
Sampler: WGH
PID:

Start Time: End Time:
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1325	.5	100	56.32	10.92	6.90	1647	3.61	104.5	5-70	clear
1330	↓	↓	↓	10.69	6.93	1649	3.07	87.9	5.29	↓
1335				10.58	6.99	1718	1.33	67.4	4.90	
1340				10.51	7.00	1657	1.09	45.1	4.35	
1345				10.49	7.03	1666	0.97	39.7	4.01	
1350				10.37	7.02	1673	0.87	34.1	3.99	
1355				10.37	7.02	1671	0.84	32.3	3.97	
1400	↓	↓	↓	10.29	7.01	1659	0.79	31.9	3.95	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1410		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

Signature

2/18/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC50
Location:
Well ID: 66M-04-03X

Date: 2/18/16
Sampler: KGA
PID:

Start Time: End Time:
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI 556 WPS		096100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1515	15	100	59.17	6.77	8.80	782	3.56	225.7	15.3	clean
1520	↓	↓	↓	6.69	8.70	793	1.69	219.3	14.2	↓
1525	↓	↓	↓	6.66	8.69	800	1.37	216.8	13.0	↓
1530	↓	↓	↓	6.63	8.58	798	1.29	215.3	11.9	↓
1535	↓	↓	↓	6.68	8.52	797	1.05	214.0	11.3	↓
1540	↓	↓	↓	6.67	8.54	800	1.02	213.2	11.1	↓
1545	↓	↓	↓	6.66	8.56	799	0.99	212.9	11.2	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1550		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		1500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments DUP-1 collected @ 1600

[signature]
Signature

2/18/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-04-04X

Date: 2/19/16
Sampler: JCH
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
855	.5	100	59.57	11.31	7.90	1020	3.03	-24.0	4.84	Clear
900	↓	↓	↓	11.35	7.88	1145	1.94	-33.3	4.63	↓
905	↓	↓	↓	11.42	7.71	1163	1.40	-35.4	4.03	↓
910	↓	↓	↓	11.49	7.70	1170	1.33	-37.9	3.99	↓
915	↓	↓	↓	11.53	7.68	1173	1.29	-38.7	3.97	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
920		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved Gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

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_____
Signature

2/19/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Dams Aoc 50 **Date:** 2/19/16
Location: _____ **Sampler:** MBA
Well ID: 66M-03-09X **PID:** 1

Start Time: _____ **End Time:** _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09G100704
LaMotte	2020WE	1725

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1040	~~0.67~~	100	56.67	9.04	8.79	110	6.70	490.6	4.34	clear
1045	0.15	↓	↓	9.37	8.69	108	3.69	493.7	4.30	↓
1050	↓			9.47	8.68	107	2.99	500.7	4.13	
1055				9.57	8.67	103	2.45	506.9	4.03	
1100				9.59	8.66	101	2.34	511.3	4.01	
1105	↓	↓	↓	9.63	8.64	100	2.29	513.6	3.99	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1110		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved Organics
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

_____ 2/19/16

Signature **Date**

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: GGM-04-09X

Date: 2/19/16
Sampler: MBA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09b100704
LaMotte	2020we	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1210	.5	190	33.87	9.00	7.08	1092	4.91	44.8	17.6	clear
1215				9.49	6.93	1181	2.17	-31.3	13.4	
1220				9.69	6.80	1245	1.49	-73.2	12.65	
1225				9.73	6.77	1257	1.27	-86.9	12.59	
1230				9.83	6.75	1269	1.19	-91.7	12.50	
1235				9.86	6.73	1273	1.12	-94.3	12.48	
1240	↓	↓	↓	9.90	6.74	1280	1.09	-95.7	12.42	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1245		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved Gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

Signature

2/19/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-03-01X

Date: 2/22/16
Sampler: KKA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 wps	09 6100 704
LaMotte	2020WB	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
905	.150	30	15.61	8.60	6.75	1174	5.39	48.6	6.01	clear
910	↓	↓	15.63	8.41	6.73	1169	3.06	39.7	5.11	↓
915	↓	↓	15.66	8.37	6.61	1158	2.23	36.8	5.03	↓
920	↓	↓	15.68	8.40	6.60	1160	2.17	35.9	5.00	↓
925	↓	↓	15.69	8.46	6.62	1162	2.11	33.6	4.98	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
930		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NO_3C	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

[signature]
Signature

2/22/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: GWM-13-02X

Date: 2/22/16
Sampler: MLA
PID:

Start Time: _____ End Time: _____
Well Construction:
Depth to Water: 60.97
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09G/90704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1150	.5	100	60.97	12.36	6.88	725	3.89	-162.9	12.16	clear
1155	"	"	"	12.15	6.39	759	2.61	-81.7	7.99	"
1200	"	"	"	12.04	6.29	804	1.59	-44.3	6.62	"
1205	"	"	"	11.85	6.22	806	1.24	-16.0	5.93	"
1210	"	"	"	11.68	6.20	811	1.07	9.5	5.01	"
1215	"	"	"	11.60	6.21	814	0.99	16.7	4.92	"
1220	"	"	"	11.57	6.21	816	0.96	19.3	4.91	"
1225	↓	↓	↓	11.54	6.23	818	0.90	21.6	4.89	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1230		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved Gasses
		250ml	1	HNO3	Dissolved Metals
		500ml	1	NONE	SO4/TotP, Total Alkalinity
		250ml	1	H2SO4	NitroP
		250ml	1	NaOH	SulfideP
		40ml	3	H3PO4	TOC

Comments

Signature

2/22/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: GWM-04-05X

Date: 2/22/16
Sampler: KH
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	09B100704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1335	.5	100	55.63	9.68	6.13	204	5.63	149.7	2.91	clear
1340	↓	↓	↓	10.27	6.02	197	2.29	144.6	2.47	↓
1345				10.33	5.97	195	1.74	122.5	2.03	
1350				10.40	5.94	193	1.30	119.7	1.97	
1355				10.37	5.93	192	1.19	116.9	1.96	
1400				10.36	5.93	189	1.09	113.6	1.93	
1405	↓	↓	↓	10.35	5.93	187	1.03	112.9	1.92	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1405		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved Gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

Signature

2/22/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-03-08X

Date: 2/24/16
Sampler: MGA
PID:

Start Time: End Time:
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 WPS	096100 704
LaMotte	2020WE	1925

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1435	.5	100	56.91	6.71	6.66	347	4.97	86.3	4.22	clear
1440	↓	↓	↓	7.16	6.69	327	2.63	71.6	4.18	↓
1445				7.39	6.73	309	1.70	39.4	4.09	
1450				7.53	6.80	247	1.59	-37.4	3.99	
1455				7.49	6.77	249	1.19	-46.1	3.97	
1500				7.56	6.78	246	1.09	-49.9	3.94	
1505				7.53	6.79	244	1.03	-54.7	3.93	
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1510		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO3	~~Sulfate, Total Alkalinity~~ Dissolved metals
		500ml	1	NaOH	~~Nitrate~~ Sulfate Alkalinity
		250ml	1	H_2SO_4	~~Sulfide~~ Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

[signature]
Signature

2/24/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-03-07X

Date: 2/10/16
Sampler: EA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	
LaMotte	2020vE	

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1335	.5	100		11.53	6.87	692	2.34	-38.6	41.7	clear
1340				11.55	6.65	692	2.04	-54.7	43.8	
1345				11.57	6.58	691	1.63	-60.4	38.1	
1350				11.57	6.53	691	1.42	-65.1	29.9	
1355				11.53	6.52	692	1.36	-67.5	23.4	
1400				11.33	6.51	692	1.26	-68.3	21.8	
1405				11.30	6.50	694	1.11	-67.2	23.0	
1410				11.22	6.50	696	0.99	-67.1	19.4	
1415				11.16	6.50	698	0.93	-67.7	17.6	
1420				11.21	6.49	705	0.85	-68.7	16.1	
1425				11.21	6.49	705	0.85	-68.8	16.0	
1430	↓	↓		11.20	6.49	704	0.84	-68.8	16.1	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1444		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO3	Dissolved Metals
		500ml	1	NONE	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

E Anelun
Signature

2/10/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location: _____
Well ID: 66M-02-08X

Date: 2/10/16
Sampler: EA
PID: _____

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	
LaMotte	2020WE	

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1540										
1545										
1550	.5	100		9.98	4.98	2842	1.64	75.6	56.6	clear
1555				10.19	4.91	2906	2.03	73.7	43.0	
1600				10.25	4.89	2914	1.92	72.2	36.8	
1605				10.29	4.88	2909	1.58	71.2	34.4	
1610				10.28	4.88	2907	1.57	71.2	30.3	
1615				10.30	4.87	2898	1.46	70.4	29.3	
1620				10.35	4.87	2889	1.31	69.2	27.5	
1625				10.37	4.87	2882	1.20	68.1	25.9	
1630				10.36	4.87	2889	1.12	67.0	22.9	
1635				10.36	4.86	2881	1.04	66.2	20.7	
1640				10.40	4.87	2887	0.79	63.7	21.9	
1645				10.43	4.88	2898	0.63	57.3	16.7	
1650	Acceptance Criteria:		<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	
1655	2" Screen Volume = 0.163 gal/ft or 616 ml per foot			10.43	4.88	2900	0.57	55.4	20.0	
				10.45	4.89	2908	0.51	52.6	21.1	
				10.44	4.89	2909	0.43	52.0	20.4	
						2906	0.43	52.6	17.2	

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1657		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

E Anderson
Signature

2/10/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location: _____
Well ID: WBM-13-01X

Date: 2/11/16
Sampler: EA
PID: _____

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L): _____
Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	
LaMotte	2020WE	

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1150	.5	100		9.38	6.20	855	2.40	14.5	14.7	clear
1155				9.61	6.18	868	1.93	17.2	10.78	
1200				9.95	6.12	873	1.25	23.1	4.73	
1205				10.09	6.10	871	1.06	25.5	2.66	
1210				10.28	6.10	870	1.01	26.3	2.07	
1215				10.18	6.07	876	0.71	33.6	1.02	
1220				10.15	6.07	878	0.70	35.1	1.01	
1225				10.38	6.05	878	0.57	38.0	1.00	
1230	↓	↓		10.34	6.05	880	0.57	38.8	1.02	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1235		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved metals
		500ml	1	NaOH	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

_____

_____

_____

Signature

2/11/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Devens AOC 50
Location:
Well ID: 66M-03-10X

Date: 2/11/16
Sampler: EA
PID:

Start Time: _____ End Time: _____
Well Construction: PVC
Depth to Water:
Well Depth:
Water Column:
Total Volume Removed (L):
Dedicated Pump in Well?:

Field Testing Equipment

Make	Model	Serial #
YSI	556 WPS	
LaMotte	2020 WE	

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1330	.5	100		9.15	6.77	1086	8.71	28.5	1.84	clear
1335				9.24	6.76	1253	3.12	-10.0	1.07	
1340				9.45	6.78	1283	2.21	-29.3	0.68	
1345				9.74	6.85	1324	1.36	-70.1	0.66	
1350				9.77	6.88	1337	1.11	-81.5	0.11	
1355				9.91	6.92	1345	0.89	-96.6	0.10	
1400				9.92	6.94	1348	0.80	-103.3	0.11	
1405				9.75	6.98	1350	0.67	-110.7	0.10	
1410				9.80	6.98	1349	0.60	-113.6	0.10	
1415				9.87	6.99	1348	0.55	-115.9	0.12	
1420				9.78	7.01	1348	0.51	-120.6	0.10	
1425				9.85	7.01	1347	0.47	-120.4	0.11	
1430	Acceptance Criteria:		<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	
1435	2" Screen Volume = 0.163 gal/ft or 616 ml per foot			9.87	7.01	1346	0.44	-123.3	0.10	
1440				9.88	7.02	1345	0.42	-126.2	0.10	
				9.96	7.02	1345	0.40	-131.3	0.10	

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1445		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gasses
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	NO_3P	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

E Anderson
Signature

2/11/16
Date

H&S Environmental, Inc.

Low Flow/ Low Stress Groundwater Sampling Log

Project: Pevens AOC 50

Location: _____

Well ID: GWM-02-13X

Date: 2/12/16

Sampler: EA

PID: _____

Start Time: _____ End Time: _____

Well Construction: PVC

Depth to Water: _____

Well Depth: _____

Water Column: _____

Total Volume Removed (L): _____

Dedicated Pump in Well?: _____

Field Testing Equipment

Make	Model	Serial #
YSI	556 MPS	
LaMotte	2020WE	

Time (hh:mm)	Volume Removed (L)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (STD)	SPC (µS/cm°)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1025	.5	100		10.11	7.16	673	2.39	33.1	4.08	Clear
1030				10.60	7.04	671	1.16	-63.2	2.49	
1035				10.69	7.03	670	1.00	-70.5	2.11	
1040				10.68	7.01	669	0.73	-85.7	2.08	
1045				10.79	7.01	669	0.62	-92.8	2.01	
1050				10.98	7.01	668	0.54	-97.6	1.98	
1055				10.73	7.01	668	0.47	-99.1	2.01	
1100				10.78	7.01	668	0.47	-98.7	2.00	
1105				10.80	7.01	670	0.44	-102.0	2.00	
1110	↓	↓		9.48	7.02	671	0.59	-102.3	2.00	↓
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%	

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# Bottles	Preservative	Analysis
1115		40ml	2	HCl	VOC
		40ml	2	HCl	Dissolved gases
		250ml	1	HNO_3	Dissolved Metals
		500ml	1	None	Sulfate, Total Alkalinity
		250ml	1	H_2SO_4	Nitrate
		250ml	1	NaOH	Sulfide
		40ml	3	H_3PO_4	TOC

Comments

Dup- 4 collected @ 1200

Signature

2/12/16

Date

2/10/16

Devens -

Pine on site @ 1:00pm
w/ second MP10 controller

Start 1:35

~~03 07X~~ G6M 03 07X FEB 16

DO	pH	ORP	SpC	Temp	Turbid.
2.34	6.87	-38.6	692	11.53	41.7
2.04	6.65	-54.7	692	11.55	43.8
1.63	6.58	-60.4	691	11.57	38.1
1.42	6.53	-65.1	691	11.57	29.9
1.36	6.52	-67.5	692	11.53	23.4
1.26	6.51	-68.3	692	11.33	21.8
1.11	6.50	-67.2	694	11.30	23.0
0.99	6.50	-67.1	696	11.22	19.4
0.93	6.50	-67.7	698	11.16	17.6
0.85	6.49	-68.7	705	11.21	16.1
0.85	6.49	-68.8	705	11.21	16.0
0.84	6.49	-68.8	704	11.20	16.1

collected @ 2:44pm
14:44

Paul Carroll to loading dock
EPA

02 08X. Start @ 3:53
4:57

DO	pH	ORP	SpC	T	Turbid
1.64	4.98	75.6	2842	9.98	56.6
2.03	4.91	73.7	2906	10.19	43
1.92	4.89	72.2	2914	10.25	36.8
1.58	4.88	71.2	2909	10.29	34.4
1.57	4.88	71.2	2907	10.28	30.3
1.46	4.87	70.4	2898	10.30	29.3
1.31	4.87	69.2	2889	10.35	27.5
1.20	4.87	68.1	2882	10.37	25.9
1.12	4.87	67.0	2889	10.36	22.9
1.04	4.86	66.2	2881	10.36	20.7
0.79	4.87	63.7	2887	10.40	21.9
[illegible]	[illegible]	57.3	2898	10.43	16.7
0.54	4.88	55.4	2900	10.43	[illegible]
0.51	4.89	52.6	2908	10:45	21.1

sampled @ 4:57pm
16:57

0.49	4.89	52.0	2909	10.44	20.4
0.47	4.89	51.2	2906	10.44	17.2

2/11/16

P/U @ EPA Lab
Chelmsford

M2 Idexx
T. 800-900-
Lab 900. 930.
T. 930- 1000 - Idexx

@ Pete @ 1000 - Snow squalls windy 20°F
EPA - Microjet plastics to Martha

10:30 - @ Kenn sampling
start @ 1120 - 1235
Sampled @ 12:25

13.01 X

DO	pH	ORP	SpC	Temp	Turb.
2.40	6.20	14.5	855	9.38	14.7
1.93	6.18	17.2	868	9.61	10.78
1.25	6.12	22.1	873	9.95	4.73
1.06	6.10	25.5	871	10.09	2.66
1.01	6.10	26.3	870	10.28	2.07
.71	6.07	33.6	876	10.18	1.02
0.70	6.07	35.1	878	10.15	1.01
0.57	6.05	38.0	878	10.38	1.00
0.57	6.05	38.8	880	10.34	1.02

Peter - 781 407 2100

GOM 0310X
Start 1:50 pm
Sampled @ 2:45 pm (14:45)

DO	pH	ORP	SpC	Temp	Turb.
8.71	6.77	28.5	1086	9.15	1.84
3.12	6.76	-10.0	1253	9.24	1.07
2.21	6.78	-29.3	1283	9.45	0.68
1.36	6.85	-70.1	1324	9.74	0.46
1.11	6.88	-81.5	1337	9.77	0.11
0.89	6.92	-96.6	1345	9.91	0.10
0.80	6.94	-103.3	1348	9.92	0.11
0.67	6.98	-110.7	1350	9.75	0.10
0.60	6.98	-113.6	1349	9.80	0.10
0.55	6.99	-115.9	1348	9.87	0.12
0.51	7.01	-120.6	1348	9.78	0.10
0.47	7.01	-120.4	1347	9.85	0.11
0.44	7.01	-123.3	1346	9.87	0.10
0.42	7.02	-126.2	1345	9.88	0.10
0.40	7.02	-131.3	1345	9.96	0.10

A.2

Spring 2016 LTM Event

Instrument Calibration Log

Project/Site Name: Davis **Calibrated By:** IKGA

Instrument/Serial Number	Pre-Cal 0-AM (NTU)	Pre-Cal 0-PM (NTU)	Pre-Cal 10-AM (NTU)	Pre-Cal 10-PM (NTU)	Post-Cal 0-AM (NTU)	Post-Cal 0-PM (NTU)	Post-Cal 10-AM (NTU)	Post-Cal 10-PM (NTU)	Date
EXPLORE LOGGER / 024773	0.00	0.03	9.87	9.94	0.00	0.00	10.00	10.00	6/9/16
"	0.03	0.05	9.96	10.07	0.00	0.00	10.00	10.00	6/10/16
"	0.04	0.06	9.92	10.08	0.00	0.00	10.00	10.00	6/14/16
"	0.07	0.03	9.96	10.02	0.00	0.00	10.00	10.00	6/15/16
"	0.01	0.06	9.97	10.11	0.00	0.00	10.00	10.00	6/16/16

Signature: _____ Date: 6/16/16

Instrument Calibration Log

Project/Site Name: Devens **Date:** 6/9/16 **Weather:** clear

Calibrated By: LCA **Instrument:** YSI 556 MPS **Serial Number:** 10C101181

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.413	17.34°	1.413	✓
pH (7)	6.99		7.02	
pH (4)	4.00		4.01	
pH (10)	10.01		9.99	
ORP (mv)	240.1		240.3	
Dissolved Oxygen (%)	99.7%		100.1%	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)	742.1		748.9	

Signature: [signature] Date: 6/9/16

Instrument Calibration Log

Project/Site Name: Pevers **Date:** 6/10/16 **Weather:** clear

Calibrated By: JL BA **Instrument:** YSI 556 MPS **Serial Number:** 10C101181

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm^c)	1.412	~~[illegible]~~ 18.13°	1.413	
pH (7)	6.97		7.01	
pH (4)	4.02		4.00	
pH (10)	10.00		10.03	
ORP (mv)	239.0		240.2	
Dissolved Oxygen (%)	100.2%		100.0%	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)	743.1		745.6	

Signature: [signature] Date: 6/10/16

Instrument Calibration Log

Project/Site Name: Downs AOC50 **Date:** 6/14/16 **Weather:** Clear

Calibrated By: KbA **Instrument:** YSI 556 MPS **Serial Number:** 16C101151

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.413	20.16°	1.413	
pH (7)	7.03		7.04	
pH (4)	4.02		3.98	
pH (10)	9.96		9.97	
ORP (mv)	240.6		240.2	
Dissolved Oxygen (%)	101.6%		100.6%	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)	743.7		741.6	

Signature: [signature] Date: 6/14/16

Instrument Calibration Log

Project/Site Name: Devers **Date:** 6/15/16 **Weather:** clear

Calibrated By: VCA **Instrument:** YSI 556 MPS **Serial Number:** 10c101181

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.412	18.14°	1.413	
pH (7)	6.94		6.97	
pH (4)	4.00		4.10	
pH (10)	10.07		10.03	
ORP (mv)	240.6		241.0	
Dissolved Oxygen (%)	102.3%		101.9%	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)	742.3		745.3	

Signature: [signature] Date: 6/15/16

Instrument Calibration Log

Project/Site Name: Pecos ADC50 **Date:** 6/16/16 **Weather:** Clear

Calibrated By: UGA **Instrument:** YSI 556 MPS **Serial Number:** 10C101181

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.413	17.89°	1.412	
pH (7)	7.09		6.97	
pH (4)	4.07		4.03	
pH (10)	10.01		10.07	
ORP (mv)	239.1		237.6	
Dissolved Oxygen (%)	106.9%		102.7	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)	742.7		746.1	

Signature: _____ Date: 6/16/16

KGS

Instrument Calibration Log

Project/Site Name: Devens **Calibrated By:** S. Enos

	0830				1500				
Instrument/Serial Number	**Pre-Cal 0-AM (NTU)**	**Pre-Cal 0-PM (NTU)**	**Pre-Cal 10-AM (NTU)**	**Pre-Cal 10-PM (NTU)**	**Post-Cal 0-AM (NTU)**	**Post-Cal 0-PM (NTU)**	**Post-Cal 10-AM (NTU)**	**Post-Cal 10-PM (NTU)**	**Date**
Lamotte 2020we 18479	0.08	0.11	7.33	8.73	0.00	0.00	10.00	10.00	6-9-16
"	0.07	0.06	7.36	8.91	0.00	0.00	10.00	10.00	6-10-16
"	0.02	0.03	7.39	8.56	0.00	0.00	10.00	10.00	6-13-16
"	0.11	0.08	7.21	8.37	0.08	0.00	10.00	10.00	6-15-16
"	0.14	0.11	7.34	8.31	0.00	0.00	10.00	10.00	6-16-16

Signature: _____ Date: 6-16-16

Instrument Calibration Log

Project/Site Name: Dewis AoC DCL **Date:** 6/8/16 **Weather:** clear 60s

Calibrated By: KGA **Instrument:** YSI 556 MPS **Serial Number:** 12J101179

Parameters	Morning Calibration	Cal. Temperature °C	Afternoon Cal. Check	Comments
Conductivity (µS/cm°)	1.412	20.39	1.317	
pH (7)	7.02		8.06	
pH (4)	4.05		6.07	
pH (10)	10.08		11.09	
ORP (mv)	240.0		243.6	
Dissolved Oxygen (%)	99.8%		92.6%	
Zero Dissolved Oxygen (mg/L)	-		-	
Barometric Pressure (mmHg)	740.7		740.7	

Signature: K. G. KL Date: 6/8/16

Instrument Calibration Log

Project/Site Name: Deens **Calibrated By:** KBA

Instrument/Serial Number	Pre-Cal 0-AM (NTU)	Pre-Cal 0-PM (NTU)	Pre-Cal 10-AM (NTU)	Pre-Cal 10-PM (NTU)	Post-Cal 0-AM (NTU)	Post-Cal 0-PM (NTU)	Post-Cal 10-AM (NTU)	Post-Cal 10-PM (NTU)	Date
1271 (2020LE)	0.06	0.05	10.05	10.00	0.00	0.00	10.00	10.00	6/8/16

Signature: _____ Date: 6/10/16

KGS

Instrument Calibration Log

Project/Site Name: DC **Date:** 6-9-16 **Weather:** Partly cloudy, 70° F

Calibrated By: S-Enos **Instrument:** YSI 556 MPS **Serial Number:** 12J101179

Parameters	Morning Calibration Time: 0830	Cal. Temperature °C	Afternoon Cal. Check Time: 1500	Comments
Conductivity (µS/cm°)	1.330 / 1.413	14.49	1.387	
pH (7)	8.28 / 7.00		7.25	
pH (4)	5.25 / 4.00		4.19	
pH (10)	10.08 / 10.00		10.07	
ORP (mv)	250.1 / 240.0		243.2	
Dissolved Oxygen (%)	100.2 / 100.0		98.7	
Zero Dissolved Oxygen (mg/L)	—		—	
Barometric Pressure (mmHg)	743.3		743.4	

Signature: _____ Date: 6-9-16

KGS

Instrument Calibration Log

Project/Site Name: DEVENS **Date:** 6/10/16 **Weather:** SUNNY, 65°F

Calibrated By: S. ENOS **Instrument:** YSI 556 MPS **Serial Number:** 16633

Parameters	Morning Calibration Time: 0900	Cal. Temperature °C	Afternoon Cal. Check Time: 1320	Comments
Conductivity (µS/cm°)	1.374 / 1.413	15.32	1.368	
pH (7)	7.06 / 7.00		7.05	
pH (4)	4.26 / 3.99		4.11	
pH (10)	9.76 / 10.00		9.92	
ORP (mv)	260.5 / 240.0		229.6	
Dissolved Oxygen (%)	106.7 / 100.0		102.9	
Zero Dissolved Oxygen (mg/L)	–		–	
Barometric Pressure (mmHg)	750.3		750.3	

Signature: _____ Date: 6/10/16

KGS

Instrument Calibration Log

Project/Site Name: DEVENS **Date:** 6-13-16 **Weather:** SUNNY, 65°F

Calibrated By: S ENOS **Instrument:** YSI 556 MPS **Serial Number:** 16633

Parameters	Morning Calibration Time: 0830	Cal. Temperature °C	Afternoon Cal. Check Time: 1450	Comments
Conductivity (µS/cm^c)	1.425 / 1.413	14.43	1.410	
pH (7)	7.45 / 7.00		7.19	
pH (4)	3.89 / 4.00		3.91	
pH (10)	9.12 / 10.00		10.07	
ORP (mv)	239.6 / 240.0		238.1	
Dissolved Oxygen (%)	94.8 / 100.0		96.1	
Zero Dissolved Oxygen (mg/L)	—		—	
Barometric Pressure (mmHg)	746.5		745.2	

Signature: [signature] Date: 6-13-16

Instrument Calibration Log

Project/Site Name: Devens **Date:** 6/14/16 **Weather:** Sunny, Windy 60.5°F

Calibrated By: L.K. **Instrument:** YSI **Serial Number:** 10M100159

Parameters	Morning Calibration Time: 09:30	Cal. Temperature °C	Afternoon Cal. Check Time: 1300	Comments
Conductivity (µS/cm^c)	1.413	16.70	1.413	
pH (7)	7.00	16.34	7.00	
pH (4)	4.00	—	4.01	
pH (10)	10.04	16.51	10.03	
ORP (mv)	240	16.59	239	
Dissolved Oxygen (%)	98.7	—	98.7	
Zero Dissolved Oxygen (mg/L)				
Barometric Pressure (mmHg)	750	—	750	

Signature: [signature] Date: 6/14/16

Instrument Calibration Log

Project/Site Name: Devens **Calibrated By:** L. Klosterman

Instrument/Serial Number	Pre-Cal 0-AM (NTU)	Pre-Cal 0-PM (NTU)	Pre-Cal 10-AM (NTU)	Pre-Cal 10-PM (NTU)	Post-Cal 0-AM (NTU)	Post-Cal 0-PM (NTU)	Post-Cal 10-AM (NTU)	Post-Cal 10-PM (NTU)	Date
1271-3411	0.00		10.00		0.00		10.00		6/14/16

Signature: Lynn Klosterman Date: 6/14/16

KGS

Instrument Calibration Log

Project/Site Name: D EVENS **Date:** 6-15-16 **Weather:** Sunny, 75°F

Calibrated By: S. Enos **Instrument:** YSI 556 MPS **Serial Number:** 17302

Parameters	Morning Calibration Time: 0830	Cal. Temperature °C	Afternoon Cal. Check Time: 1655	Comments
Conductivity (µS/cm°)	1.547/1.413	18.75	1.479	
pH (7)	7.09/7.00		7.06	
pH (4)	3.96/4.00		3.99	
pH (10)	10.03/10.00		10.01	
ORP (mv)	238.6/240.0		236.7	
Dissolved Oxygen (%)	100.3/99.1		98.9	
Zero Dissolved Oxygen (mg/L)	—		—	
Barometric Pressure (mmHg)	753.0		753.6	

Signature: _____ Date: 6.15.16

KGS

Instrument Calibration Log

Project/Site Name: Devens **Date:** 6.16.16 **Weather:** Sunny, 70°F

Calibrated By: S. Enos **Instrument:** YSI 556 MPS **Serial Number:** 16633

Parameters	Morning Calibration Time: 0800	Cal. Temperature °C	Afternoon Cal. Check Time: 1710	Comments
Conductivity (µS/cm°)	1.426/1.413	19.21	1.419	
pH (7)	6.56 / 7.00	↓	6.96	
pH (4)	3.70 / 4.00	↓	3.92	
pH (10)	10.24 / 10.00	↓	10.03	
ORP (mv)	231.8 / 240.0	↓	236.1	
Dissolved Oxygen (%)	92.3 / 100.0	↓	91.6	
Zero Dissolved Oxygen (mg/L)	—	↓	—	
Barometric Pressure (mmHg)	747.9	↓	751.2	

Signature: [signature] Date: 6.16.16

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/15/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-02-04X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

61.67

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 90 - 105

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1425 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1425	150	61.67	16.34	900	0.70	6.72	-98.1	4.10	Clear
1430	150	61.67	16.43	963	0.60	6.87	-101.6	3.21	Clear
1435	150	61.67	16.77	1012	0.35	6.89	-104.2	2.97	Clear
1440	150	61.67	16.76	1027	0.31	6.88	-105.9	2.86	Clear
1445	150	61.67	16.74	1031	0.30	6.88	-106.2	2.84	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 1425 **SAMPLING END TIME:** 1445

NOTES: Collected sample @1450

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/14/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-02-08X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

15.14

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 60 - 70

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1335 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1335	100	15.14	16.86	3305	1.17	5.24	44.3	10.24	Clear
1340	100	15.14	16.49	3355	0.89	5.20	38.1	10.63	Clear
1345	100	15.15	16.25	3366	0.66	5.20	32.4	10.84	Clear
1350	100	15.15	16.37	3370	0.39	5.21	29.7	10.79	Clear
1355	100	15.16	16.40	3372	0.34	5.21	29.3	10.73	Clear
1400	100	15.16	16.41	3370	0.33	5.21	29.1	10.71	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y	DUPLICATE: N	MS/MSD: N
FILTER SIZE: .45 µm		
SAMPLED BY (PRINT): Kevin G Anderson	SAMPLER(S) SIGNATURES: Kevin G. Anderson	SAMPLING START TIME: 1335 / SAMPLING END TIME: 1405

NOTES: Collected sample@1405

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Federal Projects EPA SOP Low Flow Sampling Log
Federal Projects EPA SOP Low Flow Sampling Log
v 24 Sept 2014

Project Name: Former Fort Devens Date: 6/16/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-02-13X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)	X		
Locked (Stickup Wells)	X		

Photograph

Well Information

60.73

Diameter: 2 Depth to Water:

Material: Poly Depth to Bottom:

Screen Interval: 110 - 120

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1415 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (feet)	TEMP (°C)	SPECIFIC COND (µS/cm)	DISSOLVED OXYGEN (mg/L)	pH	ORP (mV)	TURBIDITY (NTU)	COLOR/ CLARITY
(min)*	(100-500 mL/min)**	(+/- 0.3')**	(+/- 3%)**	(+/- 3%)**	(+/- 10%)or <0.5**	(+/- 0.1)**	(+/- 10mV)**	(+/- 10%)or <5**	COLOR/ CLARITY
1415	100	60.73	18.77	565	5.10	7.50	-67.2	16.4	Clear
1420	100	60.73	17.69	597	1.69	7.21	-72.6	6.27	Clear
1425	100	60.73	17.74	608	1.15	7.15	-75.0	5.69	Clear
1430	100	60.73	16.79	612	0.86	7.03	-78.9	4.99	Clear
1435	100	60.73	16.40	614	0.71	7.00	-84.1	4.73	Clear
1440	100	60.73	16.54	616	0.68	7.02	-85.9	4.71	Clear
1445	100	60.73	16.47	618	0.66	7.03	86.6	4.63	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson **SAMPLING START TIME:** 1415 **SAMPLING END TIME:** 1445

NOTES: Collected sample @1450

NOTES:

NOTES:

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/16/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-03-07X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)	X		
Locked (Stickup Wells)			X

Photograph

Well Information

58.04

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 80 - 90

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1545 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1545	100	58.04	17.29	736	0.44	6.53	-58.9	11.81	Fe present
1550	100	58.07	17.30	740	0.39	6.49	-67.3	9.67	Fe present
1555	100	58.09	17.24	745	0.37	6.48	-70.6	9.04	Fe present
1600	100	58.09	17.03	750	0.32	6.47	-71.2	9.03	Fe present
1605	100	58.09	17.01	757	0.30	6.47	-71.7	9.01	Fe present
1610	100	58.09	17.00	759	0.29	6.46	-71.9	9.00	Fe present

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 1545 **SAMPLING END TIME:** 1610

NOTES: Collected sample @1615

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/14/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-04-10X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2 Depth to Water: 13.47

Material: PVC Depth to Bottom:

Screen Interval: 52 - 62

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1110 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1110	100	13.47	11.87	3256	4.10	6.10	95.8	2.05	Clear
1115	100	13.47	11.59	3321	2.30	5.82	103.6	1.12	Clear
1120	100	13.47	11.61	3336	1.99	5.70	105.6	1.01	Clear
1125	100	13.47	11.58	3357	1.87	5.71	103.7	0.99	Clear
1130	100	13.47	11.56	3363	1.80	5.69	102.3	0.97	Clear
1135	100	13.47	11.60	3364	1.77	5.72	102.1	0.96	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: 45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 1110 **SAMPLING END TIME:** 1140

NOTES: Collected sample @1140

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/14/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-07-02X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

15.78

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 22.5 – 27.5

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1225 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1225	200	15.78	10.23	76	1.48	6.38	94.7	1.69	Clear
1230	200	15.78	10.26	63	1.46	5.74	98.7	1.47	Clear
1235	200	15.78	10.21	61	1.71	5.60	94.5	1.05	Clear
1240	200	15.78	10.21	60	1.83	5.57	98.6	0.97	Clear
1245	200	15.78	10.27	60	1.86	5.56	94.3	0.92	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 1225 **SAMPLING END TIME:** 1250

NOTES: Collected sample @1250

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/15/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-13-01X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

64.81

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 125 - 135

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1030 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1030	150	64.81	15.23	886	1.32	6.33	36.2	29.3	Clear
1035	150	64.81	15.71	890	0.97	6.19	41.6	26.7	Clear
1040	150	64.81	15.71	894	0.68	6.09	47.9	26.2	Clear
1045	150	64.81	15.60	892	0.67	6.08	39.2	25.4	Clear
1050	150	64.81	15.57	890	0.66	6.09	37.9	25.1	Clear
1055	150	64.81	15.57	891	0.65	6.09	36.9	25.0	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: 45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 1030 **SAMPLING END TIME:** 1100

NOTES: Collected sample @1100

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/15/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-13-04X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

63.98

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 125 - 135

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1150 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1150	150	63.98	15.09	1595	0.85	6.64	-49.1	10.94	Clear
1155	150	63.98	15.01	1601	0.69	6.68	-50.6	12.70	Clear
1200	150	63.98	14.93	1643	0.63	6.71	-51.9	16.9	Clear
1205	150	63.98	14.86	1659	0.61	6.70	-52.1	11.74	Clear
1210	150	63.98	14.83	1662	0.60	6.70	-53.6	11.59	Clear
1215	150	63.98	14.90	1669	0.59	6.69	-54.2	11.54	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: 45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 1150 **SAMPLING END TIME:** 1215

NOTES: Collected sample @1220

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/15/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-13-05X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2 Depth to Water: 15.73

Material: PVC Depth to Bottom: 56.14

Screen Interval: 45 - 55

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 653 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
653	100	15.73	12.49	628	4.68	6.89	101.4	8.24	Clear
658	100	15.73	12.31	597	1.37	6.59	104.9	4.19	Clear
703	100	15.73	12.22	590	1.02	6.53	107.1	3.58	Clear
708	100	15.73	12.23	588	0.99	6.49	82.6	2.99	Clear
713	100	15.73	12.20	587	0.95	6.47	71.6	2.73	Clear
718	100	15.73	12.31	586	0.92	6.44	64.7	2.67	Clear
723	100	15.73	12.30	584	0.91	6.43	56.9	2.64	Clear
728	100	15.73	12.33	582	0.89	6.41	55.2	2.59	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 653 **SAMPLING END TIME:** 735

NOTES: Sample collected @735

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/14/16

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-13-06X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 4 Depth to Water: 15.12

Material: PVC Depth to Bottom: 61.94

Screen Interval: 60 - 60

SAMPLING TYPE, TUBING DETAILS

Purging Method: Geotech 1 Well Volume (gal): Tubing Type: Poly Pump S/N:

Purge Start Time: 642 Air Source: N/A Tubing Diameter: 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
642	100	15.12	11.24	2228	3.84	6.47	-49.3	4.54	Clear
647	100	15.12	10.97	2230	0.97	6.44	-49.2	3.06	Clear
652	100	15.12	10.80	2231	0.69	6.42	-49.1	2.51	Clear
657	100	15.12	10.73	2230	0.66	6.41	-49.0	2.36	Clear
702	100	15.12	10.69	2227	0.59	6.40	-48.7	2.29	Clear
707	100	15.12	10.67	2223	0.57	6.40	-48.4	2.27	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Yes **DUPLICATE:** Yes **MS/MSD:** Yes

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 642 **SAMPLING END TIME:** 715

NOTES: MS/MSD Collected. Dup-1 collected @ 0000
Collected sample @715

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date:6/14/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-93-13X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

14.53

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 9 - 19

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 935 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
935	100	14.53	13.50	351	4.67	6.57	66.4	41.8	clear
940	100	14.53	13.58	320	2.53	6.36	70.5	17.1	clear
945	100	14.53	13.39	319	1.86	6.34	65.8	14.8	clear
950	100	14.53	13.32	313	1.53	6.33	65.2	15.3	clear
955	100	14.53	13.29	311	1.31	6.33	64.4	14.7	clear
1000	100	14.53	13.34	309	1.19	6.34	63.0	14.4	clear
1005	100	14.53	13.38	307	1.03	6.35	63.2	14.2	clear
1010	100	14.53	13.39	306	1.01	6.35	63.1	14.0	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Yes **DUPLICATE:** N **MS/MSD:** N

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 935 **SAMPLING END TIME:** 1015

NOTES: Collected sample @1015

Federal Projects EPA SOP
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v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/15/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-97-05B **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

66.44

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 130 - 135

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder Pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 920 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
920	150	66.44	15.64	665	3.39	6.51	26.0	1.24	Clear
925	150	66.44	15.77	666	3.10	6.30	41.7	1.22	Clear
930	150	66.44	15.78	666	2.80	6.25	64.3	1.20	Clear
935	150	66.44	15.87	667	2.79	6.25	69.7	1.18	Clear
940	150	66.44	15.93	668	2.77	6.25	78.0	1.17	Clear
945	150	66.44	15.80	668	2.76	6.25	79.4	1.15	Clear
950	150	66.44	15.93	669	2.75	6.26	81.7	1.15	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y	DUPLICATE: N	MS/MSD: N
FILTER SIZE: .45 µm		
SAMPLED BY (PRINT): Kevin G. Anderson	SAMPLER(S) SIGNATURES: Kevin G. Anderson	SAMPLING START TIME: 920 / SAMPLING END TIME: 955

NOTES: Collected sample @955

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/15/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: G6M-97-28X **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

63.58

Diameter: 2 Depth to Water:

Material: Poly Depth to Bottom:

Screen Interval: 100 - 105

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 1535 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1535	100	63.58	24.28	326	0.71	6.60	-82.6	5.06	Clear
1540	100	63.58	23.01	318	0.42	6.61	-84.7	3.97	Clear
1545	100	63.58	22.75	315	0.34	6.62	-88.6	3.21	Clear
1550	100	63.58	22.87	315	0.31	6.64	-87.1	2.47	Clear
1555	100	63.58	23.03	314	0.29	6.69	-86.2	2.21	Clear
1600	100	63.58	23.09	313	0.28	6.68	-85.7	2.17	Clear
1605	100	63.58	23.12	312	0.28	6.68	-85.3	2.15	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y	**DUPLICATE:** N	**MS/MSD:** N
FILTER SIZE: .45 µm		
SAMPLED BY (PRINT): Kevin G. Anderson	**SAMPLER(S) SIGNATURES:** Kevin G. Anderson	**SAMPLING START TIME:** 1535 / **SAMPLING END TIME:** 1605

NOTES: Collected sample @1610

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 6/16/2016

Project Location: AOC 50 Project #:

Personnel: Kevin G. Anderson

WELL IDENTIFICATION: MW-3 **Headspace (PID)** 0.0

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

63.92

Diameter: 2 Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 126 - 136

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder pump 1 Well Volume (gal): Tubing Type Poly Pump S/N

Purge Start Time: 813 Air Source: Nitrogen Tubing Diameter 1/4

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
813	100	63.92	14.14	1326	4.63	7.12	-85.8	8.29	Clear
818	100	63.92	14.28	1369	2.63	7.00	-79.8	6.97	Clear
823	100	63.92	14.30	1374	1.16	6.84	-74.6	6.02	Clear
828	100	63.92	14.28	1360	1.09	6.84	-75.8	5.21	Clear
833	100	63.92	14.27	1356	0.70	6.83	-76.9	4.99	Clear
838	100	63.92	14.31	1357	0.67	6.83	-77.0	4.96	Clear
843	100	63.92	14.27	1360	0.66	6.81	-77.4	4.93	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y **DUPLICATE:** Y **MS/MSD:** Y

FILTER SIZE: .45 µm

SAMPLED BY (PRINT): Kevin G. Anderson **SAMPLER(S) SIGNATURES:** Kevin G. Anderson

SAMPLING START TIME: 813 **SAMPLING END TIME:** 843

NOTES: Collected sample @850. MS/MSD Collected
Collected Dup-3 @0000

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-02-01X

Date: 06/13/2016
Sampler: S. Enos
PID: N/A

Start Time: _1140_____ **End Time:** _1220_____
Well Construction: __PVC_____
Depth to Water: ___55.38_____
Well Depth: _____
Water Column: _____
Dedicated Pump in Well?: __No_____

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1140	100	55.40	19.48	7.28	2574	5.87	-83.4	25.80	Clear
1145		55.40	18.81	7.21	2455	3.51	-101.2	22.60	Clear
1150		55.41	18.62	7.17	2409	2.04	-126.7	20.20	Clear
1155		55.41	17.89	7.11	2285	1.12	-136.2	10.70	Clear
1200		55.41	17.65	7.06	2126	0.66	-139.7	9.11	Clear
1205		55.41	17.37	6.84	1889	0.36	-147.0	7.06	Clear
1210		55.41	17.29	6.87	1764	0.33	-145.9	6.12	Clear
1215		55.41	17.26	6.88	1712	0.28	-143.4	6.06	Clear
1220		55.41	17.21	6.87	1691	0.21	-145.7	5.91	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @1220				

Comments

S. Enos
Signature

06/13/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-02-03X

Date: 06/15/2016
Sampler: S. Enos
PID: N/A

Start Time: 1545 **End Time:** 1640
Well Construction: PVC
Depth to Water: 59.58
Well Depth:
Water Column:
Dedicated Pump in Well?: No

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1555	100	59.58	17.64	6.75	1788	4.00	23.1	111.3	Lt brown, turbid
1600		59.61	17.40	6.11	1801	2.69	31.7	105.2	Lt brown, turbid
1605		59.61	17.04	5.94	1807	1.57	43.9	78.9	Lt brown, turbid
1610		56.62	17.05	5.66	1705	1.21	63.7	72.6	Lt brown, turbid
1615		56.62	17.05	5.41	1669	0.98	90.1	58.9	Clear, turbid
1620		56.62	17.06	5.27	1653	0.78	113.0	41.8	Clear, turbid
1625		56.62	16.77	5.11	1651	0.66	122.2	23.7	Clear, turbid
1630		56.62	16.69	4.96	1650	0.56	129.6	21.5	Clear
1635		56.62	16.65	4.89	1649	0.48	138.1	20.7	Clear
1640		56.62	16.74	4.87	1658	0.45	139.6	19.9	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @1610				

Comments

S. Enos
Signature

06/15/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-02-11X

Date: 06/15/2016
Sampler: S. Enos
PID: N/A

Start Time: _1335_ **End Time:** _1420_
Well Construction: __PVC_
Depth to Water: ___61.56_
Well Depth: _____
Water Column: _____
Dedicated Pump in Well?: __No_

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1335	100	61.56	18.18	6.69	893	7.07	-109.7	32.1	Clear
1340		61.58	18.41	6.69	895	6.12	-110.1	30.9	Clear
1345		61.60	18.47	6.69	898	4.89	-111.9	28.7	Clear
1350		61.61	18.67	6.69	881	4.32	-113.3	25.1	Clear
1355		61.61	18.98	6.69	872	4.05	-116.4	23.8	Clear
1400		61.60	18.39	6.72	868	2.59	-121.2	22.7	Clear
1405		61.60	18.24	6.75	864	2.47	-123.9	22.3	Clear
1410		61.60	18.20	6.79	861	2.35	-128.7	21.2	Clear
1415		61.60	18.18	6.81	861	2.29	-130.1	20.9	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @1420				

Comments

S. Enos
Signature

06/15/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-03-01X

Date: 06/15/2016
Sampler: S. Enos
PID: N/A

Start Time: _1140_ **End Time:** _1220_
Well Construction: __PVC_
Depth to Water: ___28.80_
Well Depth: _____
Water Column: _____
Dedicated Pump in Well?: __No_

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1140	100	28.80	12.98	5.81	1710	3.65	-44.5	5.71	Clear
1145		28.82	12.91	5.82	1717	6.47	-45.1	5.75	Clear
1150		28.82	13.01	5.84	1717	3.38	-46.1	5.68	Clear
1155		28.82	12.95	5.84	1720	3.33	-46.9	5.70	Clear
1200		12.92	17.65	5.85	1721	2.98	-47.3	5.66	Clear
1205		12.99	17.37	5.85	1723	2.91	-47.8	5.79	Clear
1210		12.91	17.29	5.84	1725	2.85	-48.1	5.66	Clear
1215		12.87	17.26	5.84	1726	2.81	-48.3	5.61	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @1220				

Comments

Some black particles observed in GW.

S. Enos
Signature

06/15/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-03-09X

Date: 06/16/2016
Sampler: S. Enos
PID: N/A

Start Time: 1010 **End Time:** 1040
Well Construction: PVC
Depth to Water: 56.89
Well Depth:
Water Column:
Dedicated Pump in Well?: No

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1010	150	56.90	12.01	7.38	203	5.61	69.1	9.99	Clear
1015		56.90	11.70	5.89	223	3.73	119.5	5.02	Clear
1020		56.90	11.72	5.99	222	3.01	120.0	3.82	Clear
1025		56.90	11.76	6.02	221	2.36	122.6	3.56	Clear
1030		56.90	11.79	6.10	221	2.06	128.7	3.54	Clear
1035		56.90	11.78	6.04	220	1.86	130.2	3.41	Clear
1040		56.90	11.76	6.02	220	1.80	131.6	3.32	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details					
Field Filtered:	Yes		Duplicate: No	MS/SD: No	
Notes:	Sample collected @1040				

Comments

S. Enos
Signature

06/16/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-03-10X

Date: 06/16/2016
Sampler: S. Enos
PID: N/A

Start Time: 0840 **End Time:** 0920
Well Construction: PVC
Depth to Water: 63.72
Well Depth:
Water Column:
Dedicated Pump in Well?: No

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
0840	100	63.73	13.51	7.24	1404	8.62	-102.0	75.8	Clear
0845		63.74	13.47	6.90	1404	5.18	-95.7	70.2	Clear
0850		63.74	13.31	6.87	1404	3.89	-90.2	52.3	Clear
0855		63.75	13.26	6.73	1404	2.85	-83.9	30.9	Clear
0900		63.75	13.16	6.33	1405	1.88	-81.2	10.8	Clear
0905		63.75	13.11	6.02	1405	1.69	-80.9	9.23	Clear
0910		63.75	13.07	6.10	1407	1.31	-82.4	8.93	Clear
0915		63.75	13.11	6.17	1407	1.19	-84.2	8.77	Clear
0920		63.75	13.13	6.18	1407	1.16	-86.0	8.39	Clear
Acceptance Criteria:		<0.3ft		3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @0920				

Comments

S. Enos
Signature

06/16/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-04-01X

Date: 06/13/2016
Sampler: S. Enos
PID: N/A

Start Time: _1010_____ **End Time:** _1050_____
Well Construction: __PVC_____
Depth to Water: ___53.482_____
Well Depth: _____
Water Column: _____
Dedicated Pump in Well?: __No_____

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1010	100	53.49	16.00	7.61	3082	1.35	-123.1	37.10	Clear
1015		53.51	16.51	7.33	3211	1.30	-119.9	28.70	Clear
1020		53.51	16.76	7.01	3389	1.29	-118.9	21.90	Clear
1025		53.51	16.97	6.86	3496	1.07	-116.4	18.30	Clear
1030		53.51	17.25	6.81	3555	0.96	-117.9	18.10	Clear
1035		53.51	17.41	6.80	3601	0.81	-119.3	18.10	Clear
1040		53.52	17.59	6.79	3620	0.78	-119.6	17.90	Clear
1045		53.52	17.67	6.69	3639	0.65	-120.3	17.60	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @0925				

Comments

S. Enos
Signature

06/13/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-04-02X

Date: 06/13/2016
Sampler: S. Enos
PID: N/A

Start Time: _1335_ **End Time:** _1410_
Well Construction: __PVC_
Depth to Water: ___61.12_
Well Depth: _____
Water Column: _____
Dedicated Pump in Well?: __No_

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1335	150	61.11	14.05	6.87	949	2.77	-71.1	11.60	Clear
1340		61.11	13.81	6.73	945	1.82	-71.2	7.02	Clear
1345		61.12	13.47	6.69	943	1.10	-71.4	4.51	Clear
1350		61.12	13.31	6.59	911	0.61	-67.8	2.06	Clear
1355		61.12	13.27	6.45	893	0.49	-65.4	1.78	Clear
1400		61.12	13.34	6.43	881	0.38	-59.3	1.66	Clear
1405		61.12	13.4	6.43	875	0.34	-56.2	1.59	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details					
Field Filtered: Yes		Duplicate: Yes	DUP-2	MS/SD: Yes	
Notes: Sample collected @1410					

Comments

S. Enos
Signature

06/13/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-04-04X

Date: 06/16/2016
Sampler: S. Enos
PID: N/A

Start Time: 1550 **End Time:** 1630
Well Construction: PVC
Depth to Water: 59.07
Well Depth:
Water Column:
Dedicated Pump in Well?: No

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1550	200	59.09	15.70	6.40	1368	4.47	-102.1	3.23	Clear
1555		59.08	15.81	6.43	1371	3.54	-102.9	5.12	Clear
1600		59.07	15.86	6.44	1372	2.99	103.2	4.08	Clear
1605		59.07	15.88	6.45	1374	2.80	-106.8	4.14	Clear
1610		59.07	15.94	6.47	1398	2.21	-107.2	4.38	Clear
1615		59.07	16.03	6.47	1406	2.03	-108.4	4.36	Clear
1620		59.07	16.08	6.49	1407	1.71	-108.3	4.19	Clear
1625		59.07	16.14	6.50	1407	1.55	-108.0	4.28	Clear
1630		59.07	16.19	6.51	1407	1.46	-108.1	4.20	Clear
Acceptance Criteria:		<0.3ft		3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details					
Field Filtered:	Yes		Duplicate: No	MS/SD: No	
Notes:	Sample collected @1630				

Comments

S. Enos
Signature

06/16/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-04-09X

Date: 06/15/2016
Sampler: S. Enos
PID: N/A

Start Time: 0930 **End Time:** 1010
Well Construction: PVC
Depth to Water: 33.05
Well Depth:
Water Column:
Dedicated Pump in Well?: No

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
0930	150	33.05	11.92	6.92	1772	4.68	-165.7	14.90	Clear
0935		33.60	11.36	6.42	1990	3.31	-120.6	16.10	Clear
0940		33.52	11.22	6.37	2070	3.24	-105.8	12.80	Clear
0945		33.48	11.13	6.36	2107	3.22	-93.8	11.40	Clear
0950		33.46	11.25	6.36	2177	2.99	-90.3	11.41	Clear
0955		33.45	11.21	6.37	2127	2.75	-90.4	10.66	Clear
1000		33.45	11.23	6.38	2128	2.56	-87.6	11.48	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details					
Field Filtered: Yes		Duplicate: No	DUP-2	MS/SD: No	
Notes: Sample collected @1010					

Comments

S. Enos
Signature

06/15/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-04-10A

Date: 06/14/2016
Sampler: L. Klosterman
PID: N/A

Start Time: ___1240_____ **End Time:** _1330_____
Well Construction: __PVC_____
Depth to Water: ___13.80_____
Well Depth: _____
Water Column: _____
Dedicated Pump in Well?: __No_____

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1240	100	13.80	11.79	5.49	1511	0.69	-70.6	7.69	slightly rusty
1245									
1250		13.95	11.98	5.68	1561	0.41	-68.5	8.06	Clear with tint
1255		14.59	11.82	5.76	1621	0.36	-68.5	11.90	Clear with tint
1300		13.84	11.76	5.79	1698	0.31	-65.6	7.65	Clear with tint
1305		13.85	11.86	5.83	1715	0.28	-63.9	6.51	Clear with tint
1310		13.85	11.79	5.86	1754	0.26	-65.1	5.91	Clear with tint
1315		13.83	11.86	5.90	1820	0.25	-67.9	6.36	Clear with tint
1320		13.84	11.87	5.91	1847	0.23	-68.0	5.96	Clear with tint
1325		13.85	11.89	5.94	1878	0.23	-66.6	7.73	Clear with tint
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @1330				

Comments

L. Klosterman
Signature

06/14/2016
Date

KOMAN GOVERNMENT SOLUTIONS LLC

Low Flow/ Low Stress Groundwater Sampling Log

Project: Former Fort Devens LTM
Location: AOC 50
Well ID: G6M-13-02X

Date: 06/16/2016
Sampler: S. Enos
PID: N/A

Start Time: 1350 **End Time:** 1430
Well Construction: PVC
Depth to Water: 60.90
Well Depth:
Water Column:
Dedicated Pump in Well?: No

Field Testing Equipment

Make:	Model:	Serial #:
YSI	556MPS	16633

Time (hhmm)	Flow Rate (ml/min)	Depth to Water (ft)	Temp (C)	pH (STD)	SPC (µS/cm^c)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Color
1350	100	60.91	18.37	6.35	913	2.77	-32.0	15.20	Clear
1355		60.91	18.21	6.34	914	2.51	-28.7	11.50	Clear
1400		60.92	17.98	6.34	917	2.38	-21.6	11.58	Clear
1405		60.92	17.88	6.26	922	2.10	-18.3	11.62	Clear
1410		60.92	17.84	6.24	923	2.08	-12.0	11.66	Clear
1415		60.92	17.34	6.20	931	1.72	-1.0	11.79	Clear
1420		60.92	16.92	6.18	933	1.44	0.8	11.52	Clear
1425		60.92	16.81	6.17	935	1.36	2.4	11.41	Clear
1430		60.92	16.70	6.17	937	1.29	3.6	11.53	Clear
Acceptance Criteria:			<0.3ft	3%	±0.1	3%	10%	± 10mv	10%

2" Screen Volume = 0.163 gal/ft or 616 ml per foot

Sampling Details				
Field Filtered: Yes		Duplicate: No	MS/SD: No	
Notes: Sample collected @1430				

Comments

S. Enos
Signature

06/16/2016
Date

A.3

Fall 2016 LTM Event

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/8/16
Project Location: AOC 50 Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: GGM-96-22B Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph:

Well Information
Diameter: 2" Depth to Water: 7.52'
Material: PVC Depth to Bottom: 71.9'
Screen Interval: 65.5 - 70.5

SAMPLING TYPE, TUBING DETAILS

Purging Method: Peristaltic 1 Well Volume (gal): — Tubing Type: Poly-dedicated Pump S/N: # 1118
Purge Start Time: 0855 Air Source: N/A Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (uS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0900	175	7.52	10.81	1165	10.66	10.51	192.5	1.73	clear w/ red particulates
0905	175	7.57	10.85	1344	3.85	9.07	187.7	1.81	clear "
0910	150	7.55	10.95	1382	5.03	8.42	173.3	1.20	clear
0915	150	7.56	11.15	1396	3.31	7.60	183.9	1.89	clear
0920	150	7.58	11.09	1383	2.90	6.71	183.7	2.95	clear
0925	150	7.57	11.18	1368	2.83	6.32	176.9	2.31	clear
0930	150	7.56	11.20	1368	2.51	6.06	175.0	2.63	clear
0935	150	7.56	11.20	1362	2.66	5.96	174.0	2.49	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y (N) FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)

SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 0935
SAMPLING END TIME: 0940

NOTES: Collected samples for VOCs and Metals.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/8/16
Project Location: AOC 50 Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: GGM-96-22A **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 2" Depth to Water: 6.97'
Material: PVC Depth to Bottom: 52.4'
Screen Interval: 40-50

SAMPLING TYPE, TUBING DETAILS

Purging Method: Peristaltic 1 Well Volume (gal): N/A Tubing Type: Poly Pump S/N: # 1118
Purge Start Time: 1030 Air Source: N/A Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1035	100	6.97	12.17	937	6.82	6.77	129.9	2.40	clear
1040	100	7.08	12.08	936	4.36	5.72	131.6	2.13	clear
1045	100	7.08	11.97	935	4.21	5.18	130.1	0.54	clear
1050	100	7.09	11.97	942	4.01	4.99	129.4	0.35	clear
1055	100	7.09	11.98	950	3.85	4.83	129.2	0.85	clear
1100	100	7.09	11.92	969	3.70	4.72	129.1	0.60	clear
1105	100	7.09	11.89	983	3.73	4.64	129.4	0.75	clear

* every 5 to 10 minutes, depending on volume of flow through cell, from EPA Region 1 Low Flow SOP version 3, 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y (N) FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Lynne Klosterman	Lynne Klosterman	1110	1113

NOTES: Collected samples for VOCs and Metals.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/8/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-95-20X
Headspace (PID): N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	✓		
Concrete Pad Intact	✓		
PVC Casing Intact	✓		
Well Gripper Present	✓		
Bolts Present (Pad Wells)			✓
Locked (Stickup Wells)		✓	

Photograph

Well Information
Diameter: 2"
Depth to Water: 15.54'
Material: PVC
Depth to Bottom: 24.80'
Screen Interval: 18 - 23

SAMPLING TYPE, TUBING DETAILS

Purging Method: Peristaltic
1 Well Volume (gal): N/A
Tubing Type: Poly
Pump S/N: Pinnacle 1118
Purge Start Time: 1150
Air Source: N/A
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1155	200	16.62	13.05	624	1.53	4.78	60.8	2.54	clear
1200	200	16.65	13.04	654	1.15	4.69	44.9	2.93	clear
1205	200	16.66	12.96	743	0.83	4.73	22.5	2.69	clear
1210	200	16.67	13.18	755	0.69	4.76	20.4	3.68	clear
1215	200	16.63	13.41	798	0.64	4.87	9.4	3.73	clear
1220	200	16.63	13.62	807	0.57	4.93	3.1	5.74	clear
1225	200	16.70	13.64	801	0.63	4.98	-3.2	6.81	clear
1230	200	16.70	13.62	799	0.54	4.99	-5.6	7.04	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)
SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1230
SAMPLING END TIME: 1233

NOTES: Hydrogen Sulfide Odor upon initial startup of purging.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/08/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-95-19X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	✓		
Concrete Pad Intact	✓		
PVC Casing Intact	✓		
Well Gripper Present	✓		
Bolts Present (Pad Wells)		•	✓
Locked (Stickup Wells)		✓	

Photograph

Well Information
Diameter: 2"
Depth to Water: 15.04'
Material: PVC
Depth to Bottom: 53.50'
Screen Interval: 48 - 58

SAMPLING TYPE, TUBING DETAILS

Purging Method: ~~12 SS~~ Peri
1 Well Volume (gal): N/A
Tubing Type: Poly-dedicated
Pump S/N: #1118
Purge Start Time: 1253
Air Source: N/A
Tubing Diameter: 0.25"
Pine #[illegible] Sample

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1255	300	15.11	12.27	2784	3.12	3.14	54.6	6.51	clear
1300	150	15.09	12.47	2829	2.63	2.96	56.1	5.47	clear
1305	150	15.08	12.55	2868	2.38	2.88	58.4	4.55	clear
1310	150	15.11	12.49	2910	2.00	2.84	60.8	4.18	clear
1315	150	15.10	12.47	2933	1.89	2.76	63.5	3.21	clear
1320	150	15.10	12.50	2941	1.74	2.73	65.6	3.34	clear
1325	150	15.10	12.48	2952	1.70	2.68	67.5	3.39	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)
SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1330
SAMPLING END TIME: 1333
NOTES: No Odor.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-04-04X Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure		✓	
Concrete Pad Intact	✓		
PVC Casing Intact	✓		
Well Gripper Present	✓		
Bolts Present (Pad Wells)		✓	
Locked (Stickup Wells)			✓

Photograph

Well Information

Diameter: 2" Depth to Water: 60.20'

Material: PVC Depth to Bottom: 104'

Screen Interval: 94 - 104

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: bonded poly Pump S/N: MP10 Controller MP10-1215 / Sample Pro # 32645

Purge Start Time: 1436 Air Source: Nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1440	200	60.19	13.62	1310	0.79	5.56	-77.5	7.76	clear
1445	200	60.22	14.06	1345	0.78	5.75	-88.0	7.42	clear
1450	200	60.22	14.14	1375	0.62	5.84	-93.2	6.91	clear
1455	200	60.21	14.09	1394	0.49	5.90	-97.1	5.09	clear
1500	200	60.20	13.97	1402	0.42	5.96	-99.6	4.81	clear
1505	200	60.20	13.96	1404	0.36	5.99	-104.6	4.78	clear
1510	200	60.20	13.83	1402	0.32	6.01	-106.9	3.49	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N DUPLICATE: Y (N) MS/MSD: (Y) N

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Lynne Klosterman SAMPLER(S) SIGNATURES: Lynne Klosterman SAMPLING START TIME: 1515 SAMPLING END TIME: 1600

NOTES: No dedicated pump But dedicated tubing
Hydrocarbon odor detected.
Sheen detected in purge water bucket (surface).

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16
Project Location: AOC 50 Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: GeM-04-11X Headspace (PID) NA

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Slickup Wells)	X		

Photograph

Well Information
Diameter: 2" Depth to Water: 23.14'
Material: PVC Depth to Bottom: 46.8'
Screen Interval: 35-45'

SAMPLING TYPE, TUBING DETAILS

Purging Method: Peristaltic 1 Well Volume (gal): — Tubing Type: poly-dedicated Tubing S/N: #1118
Purge Start Time: 0955 Air Source: N/A Tubing Diameter: 0.25" dedicated tubing

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1000	300	23.15	10.56	187	7.90	9.60	-12.5	14.85	clear
1005	175	23.27	10.48	179	7.37	9.33	-4.1	12.89	clear
1010	175	23.32	10.35	170	7.23	8.58	5.0	4.57	clear
1015	175	23.38	10.32	166	6.95	7.83	16.6	1.76	clear
1020	175	23.41	10.29	166	6.91	6.95	19.2	1.38	clear
1025	175	23.41	10.24	166	6.85	6.85	22.9	1.19	clear
1030	175	23.41	10.28	167	6.76	6.65	25.6	1.18	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y (N) DUPLICATE: Y (N) MS/MSD: Y (N)
FILTER SIZE: _____ µm

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Lynne Klosterman	Lynne Klosterman	1030	1033

NOTES: Collected samples for VOC only

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/10/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-04-31X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 1"
Depth to Water: 48.69'
Material: PVC
Depth to Bottom: 80'
Screen Interval: 68 - 78

SAMPLING TYPE, TUBING DETAILS

Purging Method: Micro-Bladder
1 Well Volume (gal): —
Tubing Type: bonded poly
Pump S/N: —
Purge Start Time: 1220
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1225	50	48.66	13.99	2376	3.40	5.34	-81.1	5.88	clear
1230	50	48.67	13.47	2501	1.38	5.97	-99.1	3.24	clear
1235	50	48.67	13.85	2492	1.00	6.11	-100.6	2.93	clear
1240	50	48.67	14.18	2493	0.88	6.17	-98.4	3.04	clear
1245	50	48.67	14.06	2492	0.89	6.15	-96.9	3.15	clear
1250	50	48.67	14.11	2490	0.89	6.15	-95.8	2.95	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)
SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1250
SAMPLING END TIME: 1300
NOTES: Collected Sample for As Only

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/10/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-04-15X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 1"
Depth to Water: 45.14'
Material: PVC
Depth to Bottom: 80.2'
Screen Interval: 70 -80

SAMPLING TYPE, TUBING DETAILS

Purging Method: Micro bladder
1 Well Volume (gal): —
Tubing Type: bonded poly
Pump S/N: —
Purge Start Time: 1315
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1325	75	45.12	14.31	2761	10.31	5.25	-52.0	12.43	clear
1330	75	45.15	13.99	2979	4.96	5.07	-35.2	8.14	clear
1335	75	45.15	13.63	3042	1.65	4.73	-24.7	4.63	clear
1340	75	45.15	13.54	3031	1.11	4.66	-23.5	4.51	clear
1345	75	45.15	13.62	3019	0.81	4.62	-22.5	4.44	clear
1350	75	45.15	13.82	3018	0.61	4.62	-22.6	4.62	clear
1355	75	45.15	13.86	2947	0.51	4.63	-21.5	4.51	clear
1400	75	45.15	13.90	2929	0.50	4.64	-21.4	4.60	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3, 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)
SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1400
SAMPLING END TIME: 1414

NOTES: Collected Samples for VOC and Metals.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/10/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-03-07X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)	X		
Locked (Slickup Wells)		X	

Photograph

Well Information
Diameter: 2"
Material: PVC
Depth to Water: 59.21'
Depth to Bottom: 89.5'
Screen Interval: 80 - 90

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder
1 Well Volume (gal): N/A
Tubing Type: bonded
Pump S/N: dedicated bladder pump & tubing
Purge Start Time: 1435
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1440	125	59.20	15.31	559	6.62	6.05	-47.0	40.9	Semi-clear
1445	125	59.19	15.20	508	3.08	5.77	-73.0	21.9	semi-clear
1450	125	59.20	15.01	489	0.68	5.52	-75.5	21.3	clear
1455	125	59.20	15.03	480	0.48	5.52	-79.1	17.4	clear
1500	125	59.20	14.83	476	0.42	5.51	-81.1	17.3	clear
1505	125	59.20	14.80	476	0.39	5.50	-82.7	17.6	clear
1510	125	59.20	14.80	479	0.31	5.52	-85.9	17.1	clear
1515	125	59.20	14.89	480	0.29	5.50	-86.0	17.4	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)

SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1515
SAMPLING END TIME: 1542

NOTES: Full Suite Analysis Collected.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16
Project Location: AOC 50 Project #: 1024-003
Personnel: L. Klosterman

WELL IDENTIFICATION: GGM-13-03X Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)	X		
Locked (Stickup Wells)			X

Photograph

Well Information
Diameter: 2" Depth to Water: 60.45'
Material: PVC Depth to Bottom: ~~100~~ 90'
Screen Interval: 80-90'
Dedicated Bladder/Tubing

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: Poly Pump S/N: dedicated
Purge Start Time: 1620 Air Source: nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY -
1625	175	60.46	12.39	1592	4.40	5.41	23.7	77.2	cloudy
1630	175	60.47	12.58	1567	1.14	4.72	32.6	71.8	cloudy
1635	175	60.46	12.56	1520	0.78	4.57	33.7	56.8	cloudy
1640	175	60.46	12.51	1503	0.61	4.50	34.5	49.4	cloudy
1645	175	60.46	12.50	1504	0.54	4.45	35.1	40.2	cloudy
1650	175	60.46	12.48	1518	0.48	4.33	36.7	30.4	cloudy
1655	175	60.46	12.48	1540	0.43	4.15	40.0	31.6	cloudy

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N DUPLICATE: Y (N) MS/MSD: Y (N)
FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Lynne Klosterman	Lynne Klosterman	1655	1703

NOTES: Collected samples for VOCs and Metals Only.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/11/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-13-01X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 2"
Material: PVC
Depth to Water: 65.29'
Depth to Bottom: 138'
Screen Interval: 125 - 135

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder
1 Well Volume (gal): —
Tubing Type: Poly
Pump S/N: Sample Pro # 32645
Purge Start Time: 0840
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (uS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0845	100	65.29	11.78	603	6.23	10.77	86.7	35.8	semi-Clear
0850	100	65.30	12.22	651	2.08	8.18	81.6	42.0	semi-clear
0855	100	65.30	12.32	644	1.73	6.98	84.2	55.1	semi-clear
0900	100	65.31	12.24	638	1.48	6.32	85.4	30.8	semi-clear
0905	100	65.31	12.30	636	1.26	5.96	85.3	28.6	semi-clear
0910	100	65.32	12.39	638	1.14	5.71	84.0	24.5	clear
0915	100	65.32	12.35	638	1.11	5.63	83.3	22.1	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)

SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 0915
SAMPLING END TIME: 0925

NOTES: Changed out Nitrogen tank @ 0850
Metals and VOCs Only for Analysis.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/1/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-13-04X
Headspace (PID): N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 2"
Depth to Water: 64.65'
Material: PVC
Depth to Bottom: 136'
Screen Interval: 125 - 135

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder
1 Well Volume (gal): —
Tubing Type: bonded poly
Pump S/N: SamplePro # 32645
Purge Start Time: 10:21
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1025	200	64.61	12.15	936	5.03	7.14	-39.0	14.7	clear
1030	100	64.63	12.28	1078	2.55	7.04	-58.4	13.7	clear
1035	100	64.62	12.44	1143	1.53	7.12	-70.3	13.7	clear
1040	100	64.63	12.45	1151	1.27	7.15	-73.8	19.2	clear
1045	100	64.62	12.51	1156	1.11	7.17	-76.8	24.0	clear
1050	100	64.61	12.80	1169	0.92	7.22	-79.2	25.0	clear
1055	100	64.61	12.73	1175	0.88	7.21	-80.4	24.1	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)

SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1055
SAMPLING END TIME: 1115

NOTES:
Full Suite Analysis / AOC 50
Changed out Nitrogen Tank @ 10:48

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/4/16

Project Location: AOC 50 Project #: 1024

Personnel: L. Klosterman

WELL IDENTIFICATION: MW-3 **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Slickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 64.07'

Material: PVC Depth to Bottom: 137'

Screen Interval: 126 - 136

Dedicated Pump + Tubing

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder 1 Well Volume (gal): — Tubing Type: bonded poly Pump S/N: Sample Pro #W30845 dedicated pump

Purge Start Time: 1203 Air Source: nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1205	100	64.10	12.62	839	9.90	8.88	-100.9	16.6	clear
1210	100	64.07	12.65	918	2.85	7.90	-100.3	11.7	clear
1215	100	64.07	12.63	910	1.81	7.60	-98.6	9.07	clear
1220	100	64.07	12.60	908	1.41	7.40	-92.0	7.67	clear
1225	100	64.07	12.62	882	0.96	7.25	-92.0	5.44	clear
1230	100	64.09	12.90	882	0.91	7.23	-97.7	5.75	clear
1235	100	64.09	12.81	877	0.87	7.23	-97.7	6.51	clear
1240	100	64.09	12.73	871	0.83	7.22	-97.8	7.77	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N FILTER SIZE: 0.45 µm

DUPLICATE: Y (N)

MS/MSD: Y (N)

SAMPLED BY (PRINT): Lynne Klosterman

SAMPLER(S) SIGNATURES: Lynne Klosterman

SAMPLING START TIME: 1240

SAMPLING END TIME: 1325

NOTES: Changed nitrogen tank out @ 1225.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/14/16
Project Location: AOC 50
Project #: 1624
Personnel: L. Klosterman

WELL IDENTIFICATION: MW-7
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 2"
Depth to Water: 63.20
Material: PVC
Depth to Bottom: 130'
Screen Interval: 125 - 135
dedicated tubing

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder
1 Well Volume (gal): —
Tubing Type: bonded poly
Pump S/N: Sample Pro #32645
Purge Start Time: 0840
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0845	150	63.21	12.37	779	3.42	7.00	-43.2	10.66	clear
0850	150	63.20	12.46	773	3.13	6.62	-49.8	8.47	clear
0855	150	63.10	12.61	771	3.00	6.41	-50.9	7.31	clear
0900	150	63.01	12.75	768	2.60	6.24	-53.4	6.85	clear
0905	150	63.03	12.91	769	2.13	6.12	-56.2	7.19	clear
0910	150	63.01	13.07	769	1.64	6.07	-59.9	7.55	clear
0915	150	63.00	13.10	769	1.35	6.02	-62.5	7.08	clear
0920	150	63.00	13.20	770	1.24	6.01	-63.5	7.42	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)
SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 0920
SAMPLING END TIME: 0928
NOTES: VOCs/Metals only. (FF)

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/14/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-02-11X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 2"
Depth to Water: 62.38'
Material: PVC
Depth to Bottom: 137'
Screen Interval: 125 - 135

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder
1 Well Volume (gal): —
Tubing Type: banded poly
Pump S/N: N/A
Purge Start Time: 1007
Air Source: Nitrogen
Tubing Diameter: 0.25"
* Dedicated Tubing and Pump.

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1010	100	62.39	12.23	603	14.39	9.31	-16.5	16.41	clear, w/ Iron precipitate flakes
1015	100	62.39	11.99	610	6.34	8.62	-65.3	12.20	clear "
1020	100	62.39	11.85	616	3.31	7.81	-94.6	11.40	clear "
1025	100	62.39	11.85	619	2.13	7.42	-106.4	6.37	clear "
1030	100	62.39	11.92	620	1.46	7.30	-121.1	5.74	clear
1035	100	62.39	11.87	623	1.34	7.23	-122.2	4.69	clear
1040	100	62.39	11.78	627	1.13	7.17	-124.6	5.83	clear
1045	100	62.39	11.82	632	0.92	7.16	-127.9	5.71	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)

SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1045
SAMPLING END TIME: 1116

NOTES: Changed out nitrogen tank @ 1028.
Dedicated tubing and pump.

KGS

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens
Date: 11/14/16
Project Location: AOC 50
Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: G6M-02-12X
Headspace (PID) N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X	X broken	

Photograph

Well Information
Diameter: 2" Depth to Water: 60.96'
Material: PVC Depth to Bottom: ~135'
Screen Interval: 125 - 135
Dedicated Tubing

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder
1 Well Volume (gal): —
Tubing Type: bonded poly
Pump S/N: Sample Pro #32645
Purge Start Time: 1200
Air Source: nitrogen
Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1205	50	60.95	12.56	472	7.61	8.19	-74.3	25.9	clear
1210	125	60.95	12.10	494	5.34	7.51	-99.3	19.8	clear
1215	125	60.96	12.13	503	3.07	7.13	-113.7	21.2	clear
1220	100	60.96	12.30	513	2.57	7.03	-115.7	18.1	clear
1225	100	60.96	11.88	520	2.01	6.94	-119.8	19.9	clear
1230	100	60.96	11.91	527	1.45	6.94	-123.9	13.6	clear
1235	100	60.96	11.88	530	1.24	6.90	-131.0	13.9	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N
FILTER SIZE: 0.45 µm
DUPLICATE: Y (N)
MS/MSD: Y (N)
SAMPLED BY (PRINT): Lynne Klosterman
SAMPLER(S) SIGNATURES: Lynne Klosterman
SAMPLING START TIME: 1235
SAMPLING END TIME: 1300

NOTES: Changed out nitrogen tank at 1214.

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16
Project Location: AOC 50 Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: XSA-12-95X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact			X
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information
Diameter: 1" Depth to Water: N/A
Material: PVC Depth to Bottom: N/A
Screen Interval: 120 - 130

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder 1 Well Volume (gal): N/A Tubing Type: Poly Pump S/N: dedicated pump and tubing
Purge Start Time: 1407 Air Source: nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1410	100	N/A	13.21	734	4.57	11.93	-62.4	17.5	clear
1415	100	N/A	12.99	814	3.84	11.26	-99.5	19.7	clear
1420	100	N/A	12.91	985	1.44	9.17	-96.7	22.2	clear
1425	100	N/A	13.05	1042	1.22	7.10	-66.4	28.3	clear
1430	100	N/A	13.13	1051	1.23	6.86	-66.2	27.9	clear
1435	100	N/A	12.69	1048	1.21	6.58	-59.7	28.1	clear

* every 5 to 10 minutes, depending on volume of flow through cell, from EPA Region 1 Low Flow SOP version 3 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N DUPLICATE: Y (N) MS/MSD: Y (N)
FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Lynne Klosterman	Lynne Klosterman	1435	1442

NOTES: Collected samples for VOCs and Metals only

KGS

Federal Projects EPA SOP
Low Flow Sampling Log
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former FT. Devens Date: 11/14/16
Project Location: AOC 50 Project #: 1024
Personnel: L. Klosterman

WELL IDENTIFICATION: XSA-12-96X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact			X
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Slickup Wells)	X		

Photograph

Well Information
Diameter: 1" Depth to Water: N/A
Material: PVC Depth to Bottom: N/A
Screen Interval: 120-130

SAMPLING TYPE, TUBING DETAILS

Purging Method: bladder 1 Well Volume (gal): N/A Tubing Type: bonded Pump S/N: dedicated pump + tubing
Purge Start Time: 1458 Air Source: ~~Nitrogen~~ Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY -
1500	150	N/A	12.31	551	9.07	11.56	-137.9	738	Black
1505	150	N/A	12.06	577	1.70	10.60	-122.2	N/A	Black
1510	150	N/A	11.96	660	1.16	8.15	-53.8	13.9	clear
1515	150	N/A	11.88	703	0.86	6.60	-36.0	13.2	clear
1520	150	N/A	11.80	728	0.73	5.94	-29.8	10.62	clear
1525	150	N/A	11.74	733	0.67	5.70	-26.6	10.17	clear
1530	150	N/A	11.67	733	0.66	5.63	-25.5	9.26	clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: Y (N) DUPLICATE: Y (N) MS/MSD: Y (N)
FILTER SIZE:_____µm

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Lynne Klosterman	Lynne Klosterman	1530	1534

NOTES:

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-01X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 56.81'bgs

Material: PVC Depth to Bottom:

Screen Interval: 80-95'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0945	100	56.81	13.47	1280	1.01	6.59	-109.3	13.1	Clear
0950		56.81	12.97	1599	0.49	6.90	-119.2	5.69	Clear
0955		56.81	12.98	0750	0.29	6.91	-127.1	4.84	Clear
1000		56.81	13.14	1756	0.27	6.93	-129.7	4.73	Clear
1005		56.81	13.12	1743	0.23	6.92	-130.4	4.69	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0945 **SAMPLING END TIME:** 1010

NOTES: Full suite

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-03X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 60.57'bgs

Material: PVC Depth to Bottom:

Screen Interval: 90-105'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1625	100	60.57	11.85	554	1.25	6.07	-28.4	4.29	Clear
1630		60.57	11.81	784	1.02	5.84	-31.0	4.40	Clear
1635		60.57	11.68	949	1.09	5.77	-50.8	3.97	Clear
1640		60.57	11.71	951	1.05	5.77	-52.7	3.89	Clear
1645		60.57	11.73	960	1.03	5.78	-53.7	3.88	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1625 **SAMPLING END TIME:** 1650

NOTES: metals only

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-04X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 62.62'

Material: PVC Depth to Bottom:

Screen Interval: 90-105'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: Poly (Bonded) Pump S/N: Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1450	100	62.62	12.60	250	2.14	7.10	-130.4	3.36	Clear
1455		62.62	13.01	263	1.29	7.09	-147.2	3.14	Clear
1500		62.62	13.05	261	0.98	7.03	-149.0	2.75	Clear
1505		62.62	13.13	267	0.97	7.01	-151.7	2.69	Clear
1510		62.62	13.15	268	0.87	7.00	-153.6	2.57	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1450 **SAMPLING END TIME:** 1515

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/11/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-06X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 55-65'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1250	100	'--	9.66	86	6.17	8.17	-9.1	6.03	Clear
1255			9.64	86	6.34	7.90	-17.9	5.00	Clear
1300			9.65	85	6.92	7.84	-28.6	4.97	Clear
1305			9.66	84	6.82	7.87	-30.6	4.94	Clear
1310			9.57	84	6.80	7.86	-32.7	4.92	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1250 **SAMPLING END TIME:** 1310

NOTES: VOCs and metals. Sample collected at 1515

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/11/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-07X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water:

Material: PVC Depth to Bottom:

Screen Interval: 30-40'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1110	100	'--	10.46	239	2.41	8.06	-3.1	15.5	Clear
1115			10.30	226	1.19	7.90	-18.4	12.7	Clear
1120			10.24	223	0.68	7.88	-21.5	13.3	Clear
1125			10.27	224	0.59	7.80	-22.4	9.81	Clear
1130			10.30	226	0.57	7.77	-26.9	9.73	Clear
1135			10.31	227	0.54	7.76	-27.4	9.69	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1110 **SAMPLING END TIME:** 1140

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-08X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 17.12'bgs

Material: PVC Depth to Bottom:

Screen Interval: 60-70'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0805	100	17.12	6.94	1271	6.79	5.23	62.9	13.4	Clear
0810		17.12	7.91	1329	2.56	5.24	41.7	12.7	Clear
0815		17.12	7.87	1344	1.98	5.24	13.8	11.8	Clear
0820		17.12	7.96	1351	1.40	5.25	-2.3	10.43	Clear
0825		17.12	8.13	1357	0.93	5.26	-5.4	9.73	Clear
0830		17.12	8.25	1363	0.79	5.26	-0.2	9.50	Clear
0835		17.12	8.30	1370	0.77	5.27	-0.9	9.44	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0805 **SAMPLING END TIME:** 0840

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-02-13X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 66.24'

Material: PVC Depth to Bottom:

Screen Interval: 110-120'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1335	100	66.24	13.6	352	4.03	7.08	-106.1	4.09	Clear
1340		66.24	12.27	371	1.31	6.97	-121.7	3.29	Clear
1345		66.24	12.25	372	0.95	6.95	-144.1	3.07	Clear
1350		66.24	12.30	381	0.79	6.96	-151.7	2.99	Clear
1355		66.24	12.31	383	0.77	6.98	-152.9	2.97	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1335 **SAMPLING END TIME:** 1400

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-03-01X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 16.84'bgs

Material: PVC Depth to Bottom:

Screen Interval: 50-70'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0935	100	16.84	7.56	1029	1.19	6.24	-55.7	3.74	Clear
0940		16.84	8.15	1075	0.62	6.25	-75.0	2.67	Clear
0945		16.84	8.17	1077	0.51	6.24	-81.6	2.44	Clear
0950		16.84	8.19	1096	0.48	6.24	-83.9	2.42	Clear
0955		16.84	8.21	1097	0.47	6.25	-84.7	2.40	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** (Y) N **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

DUP-1 collected at 1030

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0935 **SAMPLING END TIME:** 1000

NOTES: VOC only

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-03-02X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 15.74'bgs

Material: PVC Depth to Bottom:

Screen Interval: 28-43'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1225	100	15.74	9.19	721	0.33	6.23	-55.0	14.0	Clear
1230		15.74	9.13	727	0.32	6.21	-55.7	9.01	Clear
1235		15.74	9.15	730	0.30	6.20	-55.9	8.93	Clear
1240		15.74	9.16	731	0.27	6.20	-.56.4	8.89	Clear
1245		15.74	9.15	730	0.25	6.21	-57.0	8.87	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1225 **SAMPLING END TIME:** 1250

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-03-08X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 57.37'bgs

Material: PVC Depth to Bottom:

Screen Interval: 125-140'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0900	100	57.37	7.23	717	3.44	6.95	-102.8	10.56	Clear
0905		57.37	8.31	351	1.69	6.99	-101.6	8.29	Clear
0910		57.37	8.29	341	1.39	7.04	-100.8	7.57	Clear
0915		57.37	8.27	337	1.26	7.02	-99.7	7.49	Clear
0920		57.37	8.32	339	1.19	7.03	-99.6	7.46	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0900 **SAMPLING END TIME:** 0925

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-03-09X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 57.38'bgs

Material: PVC Depth to Bottom:

Screen Interval: 125-140'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: Poly (Bonded) Pump S/N: Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1150	100	57.38	9.50	149	5.84	6.71	-21.4	4.36	Clear
1155		57.38	9.47	139	1.99	6.30	8.90	4.32	Clear
1200		57.38	9.45	124	1.75	6.21	16.4	4.37	Clear
1205		57.38	9.40	122	140	6.20	9.6	4.29	Clear
1210		57.38	9.34	120	1.33	6.22	8.2	4.27	Clear
1215		57.38	9.40	119	1.27	6.23	8.0	4.19	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1150 **SAMPLING END TIME:** 1220

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-03-10X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 64.34'bgs

Material: PVC Depth to Bottom:

Screen Interval: 120-135'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0750	100	64.34	6.71	699	9.87	8.03	-92.9	15.3	Clear
0755		64.34	6.99	732	3.99	7.41	-88.7	13.7	Clear
0800		64.34	7.41	747	2.87	7.48	-83.2	12.7	Clear
0805		64.34	7.37	747	1.79	7.21	-98.9	7.02	Clear
0810		64.34	7.39	746	1.67	7.19	-99.7	6.97	Clear
0815		64.34	7.40	745	1.66	7.19	-101.7	6.94	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0750 **SAMPLING END TIME:** 0820

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-01X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 55.07'bgs

Material: PVC Depth to Bottom:

Screen Interval: 82-92'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0845	100	55.07	10.58	803	3.72	8.91	-134.1	41.1	Clear
0850		55.07	11.15	2107	1.29	7.39	-117.3	14.7	Clear
0855		55.07	11.10	2288	0.78	7.35	-109.7	9.35	Clear
0900		55.07	11.31	2628	0.52	6.71	-86.9	4.79	Clear
0905		55.07	11.30	2631	0.47	6.73	-84.7	4.69	Clear
0910		55.07	11.27	2641	0.44	6.75	-83.1	4.64	Clear
0915		55.07	11.40	2631	0.42	6.76	-82.0	4.60	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0845 **SAMPLING END TIME:** 0920

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-02X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 62.54'bgs

Material: PVC Depth to Bottom:

Screen Interval: 80-90'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1550	100	62.54	10.27	666	1.80	6.68	-67.5	4.99	Clear
1555		62.54	10.29	667	1.31	6.71	-70.3	4.59	Clear
1600		62.54	10.37	669	0.78	6.76	-75.0	4.44	Clear
1605		62.54	10.27	624	0.59	6.64	-66.9	4.39	Clear
1610		62.54	10.27	623	0.52	6.63	-67.0	4.37	Clear
1615		62.54	10.30	620	0.51	6.62	-67.3	4.32	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** (Y) N **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

DUP-3 collected at 1645

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1550 **SAMPLING END TIME:** 1620

NOTES: VOCs and metals

Federal Projects EPA SOP
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v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-03X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 59.47'bgs

Material: PVC Depth to Bottom:

Screen Interval: 85-95'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1405	100	59.37	11.84	1000	2.73	6.61	-86.1	20.2	Clear
1410		59.42	11.63	1014	1.15	6.59	-77.8	8.13	Clear
1415		59.47	11.55	1022	0.77	6.52	-74.3	7.88	Clear
1420		59.47	11.45	1014	0.52	6.44	-72.5	6.73	Clear
1425		59.47	11.50	1015	0.49	6.47	-73.1	6.69	Clear
1430		59.47	11.47	1018	0.43	6.47	-74.1	6.66	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** (Y) N **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm DUP-3 collected at 1500

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Kevin Anderson		1405	1430

NOTES: Full suite

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-05X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 56.74'bgs

Material: PVC Depth to Bottom:

Screen Interval: 100-110'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1015	100	56.74	8.93	173	9.87	7.16	-16.6	4.83	Clear
1020		56.74	8.98	174	5.40	6.73	-4.5	4.67	Clear
1025		56.74	9.09	173	2.35	6.47	9.2	4.31	Clear
1030		56.74	9.47	174	1.41	6.30	18.4	4.19	Clear
1035		56.74	9.47	175	1.27	6.35	21.7	4.17	Clear
1040		56.74	9.56	176	1.22	6.33	23.9	4.16	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1015 **SAMPLING END TIME:** 1045

NOTES: Full suite

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-06X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 62.84'bgs

Material: PVC Depth to Bottom:

Screen Interval: 95-105'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1615	100	62.84	10.24	183	7.34	6.66	-53.8	8.21	Clear
1620		62.84	9.98	183	1.79	6.50	-31.7	5.99	Clear
1625		62.84	9.93	184	1.23	6.47	-20.3	5.96	Clear
1630		62.84	9.89	186	1.19	6.46	-13.1	5.94	Clear
1635		62.84	9.94	187	1.07	6.46	-9.7	5.92	Clear
1640		62.84	9.97	189	1.01	6.47	-8.6	5.89	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1615 **SAMPLING END TIME:** 1645

NOTES: Full suite

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-07X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 62.71'bgs

Material: PVC Depth to Bottom:

Screen Interval: 120-130'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1520	100	62.71	10.15	245	6.38	6.83	-58.5	6.07	Clear
1525		62.71	10.17	268	1.65	6.48	-35.3	6.89	Clear
1530		62.71	10.18	271	1.36	6.46	-32.6	7.00	Clear
1535		62.71	10.19	273	1.19	6.45	-31.7	6.87	Clear
1540		62.71	10.20	276	1.03	6.43	-29.6	6.79	Clear
1545		62.71	10.19	278	1.01	6.42	-28.3	6.77	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1520 **SAMPLING END TIME:** 1550

NOTES: Full suite

Federal Projects EPA SOP
Low Flow Sampling Log
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-09X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 34.78'bgs

Material: PVC Depth to Bottom:

Screen Interval: 55-65'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1135	100	34.78	9.48	1265	3.75	7.18	-163.9	55.0	Clear
1140		34.78	9.01	1267	0.69	7.30	-143.2	26.9	Clear
1145		34.78	8.66	1269	0.57	7.29	-141.5	24.8	Clear
1150		34.78	8.54	1270	0.54	7.31	-140.2	22.9	Clear
1155		34.78	8.59	1277	0.52	7.32	-139.7	21.7	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1135 **SAMPLING END TIME:** 1200

NOTES: VOC, metals TOC

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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-10A **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 15.57'bgs

Material: PVC Depth to Bottom:

Screen Interval: 30-40'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1355	100	15.57	8.92	1306	5.02	6.13	-20.9	6.66	Clear
1400		15.57	8.51	1401	1.29	6.39	-73.7	5.99	Clear
1405		15.57	8.49	1420	0.49	6.42	-93.6	5.47	Clear
1410		15.57	8.41	1434	0.40	6.49	-95.5	5.30	Clear
1415		15.57	8.47	1440	0.37	6.50	-96.9	5.27	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1355 **SAMPLING END TIME:** 1420

NOTES: Full suite

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-10X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 15.14'bgs

Material: PVC Depth to Bottom:

Screen Interval: 52-62'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: Poly (Bonded) Pump S/N: Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1240	100	15.14	9.69	1725	1.86	6.10	63.9	9.19	Clear
1245		15.14	9.39	1579	1.10	5.85	74.1	3.81	Clear
1250		15.14	9.26	1546	0.83	5.75	72.2	4.41	Clear
1255		15.14	9.28	1545	0.80	5.73	71.9	4.31	Clear
1300		15.14	9.16	1546	0.76	5.70	67.9	4.27	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1240 **SAMPLING END TIME:** 1305

NOTES: Full suite

Federal Projects EPA SOP
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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-13X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 17.37'bgs

Material: PVC Depth to Bottom:

Screen Interval: 30-40'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0710	100	17.37	7.07	30	9.85	6.51	-49.5	3.85	Clear
0715		17.37	6.91	29	9.27	6.31	-21.7	3.41	Clear
0720		17.37	6.88	28	9.14	6.20	-7.0	2.96	Clear
0725		17.37	6.83	28	8.30	6.16	-7.7	2.80	Clear
0730		17.37	6.81	28	8.27	6.14	-8.3	2.73	Clear
0735		17.37	6.80	27	8.22	6.13	-8.8	2.69	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0710 **SAMPLING END TIME:** 0740

NOTES: VOCs and metals

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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/11/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-14X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 9.42'bgs

Material: PVC Depth to Bottom:

Screen Interval: 80-90'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0850	100	9.42	10.67	315	2.80	7.39	-63.2	11.5	Clear
0855		9.42	10.78	350	1.1	7.33	-83.7	11.3	Clear
0900		9.42	10.52	354	0.97	7.45	-101.3	11.4	Clear
0905		9.42	10.52	351	0.86	7.47	-103.7	10.23	Clear
0910		9.42	10.53	350	0.84	7.48	-106.9	10.14	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0850 **SAMPLING END TIME:** 0915

NOTES: VOCs and metals

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FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-04-22X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 48.97'bgs

Material: PVC Depth to Bottom:

Screen Interval: 74-84'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0735	100	48.97	7.72	768	5.77	6.56	-77.9	56.9	Clear
0740		48.97	6.93	750	2.27	6.90	-76.7	55.9	Clear
0745		48.97	6.90	747	1.80	6.97	-75.9	58.3	Clear
0750		48.97	6.99	746	1.37	6.95	-74.9	57.3	Clear
0755		48.97	7.03	742	1.29	6.94	-73.2	56.9	Clear
0800		48.97	7.02	740	1.22	6.92	-73.1	55.5	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0735 **SAMPLING END TIME:** 0805

NOTES: metals only

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/09/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-07-02X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 17.27'bgs

Material: PVC Depth to Bottom:

Screen Interval: 22.5-27.5'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: Poly (Bonded) Pump S/N: Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1515	100	17.27	8.36	68	1.32	6.67	20.7	4.74	Clear
1520		17.27	8.37	68	1.07	6.16	43.3	5.34	Clear
1525		17.27	8.29	45	1.06	6.06	44.7	3.47	Clear
1530		17.27	8.26	43	1.07	6.00	43.4	2.18	Clear
1535		17.27	8.24	43	1.09	5.95	42.3	2.64	Clear
1540		17.27	8.24	42	1.14	5.93	40.6	2.54	Clear
1545		17.27	8.23	42	1.18	5.91	39.5	2.63	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **FILTER SIZE:** 0.45 µm

DUPLICATE: (Y) N DUP-5 collected at 1620

MS/MSD: Y (N)

SAMPLED BY (PRINT): Kevin Anderson

SAMPLER(S) SIGNATURES:

SAMPLING START TIME: 1515

SAMPLING END TIME: 1620

NOTES: Full suite; sample collected at 1550

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-13-02X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 61.57

Material: PVC Depth to Bottom:

Screen Interval: 115-125'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1240	100	61.57	12.53	613	2.92	6.94	-135.6	5.96	Clear
1245		61.57	11.99	673	1.27	6.47	-136.1	3.41	Clear
1250		61.57	11.94	669	1.18	6.41	-135.0	2.93	Clear
1255		61.57	11.97	683	1.03	6.37	-134.7	2.13	Clear
1300		61.57	11.85	688	0.97	6.29	-135.0	2.07	Clear
1305		61.57	11.90	689	0.94	6.30	-136.1	2.01	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1240 **SAMPLING END TIME:** 1310

NOTES: VOCs and metals only

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/10/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-13-05X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 17.07'bgs

Material: PVC Depth to Bottom:

Screen Interval: 45-55'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type: Poly (Bonded) Pump S/N: Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter: 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1015	100	17.07	8.94	397	4.42	6.80	9.0	2.95	Clear
1020		17.07	9.02	397	2.53	6.64	20.6	5.62	Clear
1025		17.07	9.12	402	2.68	6.54	20.7	2.51	Clear
1030		17.07	9.14	403	2.66	6.56	20.8	2.50	Clear
1035		17.07	9.16	404	2.63	6.57	20.9	2.47	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1015 **SAMPLING END TIME:** 1040

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-13-06X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 16.71

Material: PVC Depth to Bottom:

Screen Interval: 60-70'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0830	100	16.71	8.22	1234	7.76	6.49	-128.1	7.51	Clear
0835		16.71	8.12	1250	5.17	6.40	-130.1	6.44	Clear
0840		16.71	8.19	1243	3.48	6.40	-133.8	5.47	Clear
0845		16.71	8.18	1238	2.81	6.41	-135.5	5.13	Clear
0850		16.71	8.19	1237	1.97	6.42	-129.7	4.87	Clear
0855		16.71	8.24	1235	1.65	6.43	-125.7	4.79	Clear
0900		16.71	8.25	1231	1.53	6.43	-126.9	4.76	Clear
0905		16.71	8.19	1230	1.47	6.42	-127.3	4.72	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** (Y) N

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT):	SAMPLER(S) SIGNATURES:	SAMPLING START TIME:	SAMPLING END TIME:
Kevin Anderson		0830	0910

NOTES:

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-93-13X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 16.34'bgs

Material: PVC Depth to Bottom:

Screen Interval: 9-19'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1100	100	16.28	9.3	198	1.83	6.68	-20.9	16.2	Clear
1105		16.30	9.47	195	1.03	6.50	-26.7	11.5	Clear
1110		16.32	9.53	194	0.99	6.49	-27.0	11.47	Clear
1115		16.33	9.54	193	0.93	6.47	-28.9	11.42	Clear
1120		16.34	9.52	192	0.91	6.47	-29.7	11.39	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1100 **SAMPLING END TIME:** 1125

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/15/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-97-05B **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 66.79'bgs

Material: PVC Depth to Bottom:

Screen Interval: 130-135'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
0955	100	66.79	11.48	460	5.19	6.72	81.1	30.1	Clear
1000		66.79	11.34	461	3.89	6.44	100.1	10.5	Clear
1005		66.79	11.73	464	3.42	6.40	121.6	0.97	Clear
1010		66.79	11.61	467	3.38	6.38	127.5	0.90	Clear
1015		66.79	11.73	469	3.37	6.39	129.4	0.87	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 0955 **SAMPLING END TIME:** 1020

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/08/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: G6M-97-28X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 63.46'bgs

Material: PVC Depth to Bottom:

Screen Interval: 100-105'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (feet) (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1540	100	63.46	11.95	527	1.30	6.75	-73.0	7.47	Clear
1545		63.46	12.13	530	1.20	6.74	-72.9	4.99	Clear
1550		63.46	12.82	536	0.92	6.71	-72.3	4.91	Clear
1555		63.46	12.79	539	0.87	6.70	-71.7	4.90	Clear
1600		63.46	12.80	537	0.86	6.72	-70.9	4.87	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1540 **SAMPLING END TIME:** 1605

NOTES: metals only

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/14/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: XSA-12-97X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 'bgs

Material: PVC Depth to Bottom:

Screen Interval: ~120-130'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1535	100		11.44	481	1.78	7.89	-73.3	694	Clear
1540			11.40	509	1.76	7.63	-61.7	98	Clear
1545			11.35	517	1.73	7.64	-58.9	20.7	Clear
1550			11.41	521	1.71	7.63	-57.6	19.1	Clear
1555			11.50	524	1.70	7.62	-57.3	18.7	Clear
1600			11.61	526	1.68	7.62	-57.9	18.4	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **DUPLICATE:** Y (N) **MS/MSD:** Y (N)

FILTER SIZE: 0.45 µm

SAMPLED BY (PRINT): Kevin Anderson **SAMPLER(S) SIGNATURES:** **SAMPLING START TIME:** 1535 **SAMPLING END TIME:** 1605

NOTES: VOCs and metals

Federal Projects EPA SOP
Low Flow Sampling Log
v.24 Sept 2014

FEDERAL SOP MONITORING WELL LOW FLOW SAMPLING LOG

Project Name: Former Fort Devens Date: 11/11/16

Project Location: AOC 50 Project #: 1024

Personnel: K. Anderson

WELL IDENTIFICATION: XSA-12-98X **Headspace (PID)** N/A

WELL INTEGRITY

	YES	NO	N/A
Protective Casing Secure	X		
Concrete Pad Intact	X		
PVC Casing Intact	X		
Well Gripper Present	X		
Bolts Present (Pad Wells)			X
Locked (Stickup Wells)	X		

Photograph

Well Information

Diameter: 2" Depth to Water: 'bgs

Material: PVC Depth to Bottom:

Screen Interval: 60-70'bgs

SAMPLING TYPE, TUBING DETAILS

Purging Method: Bladder 1 Well Volume (gal): N/A Tubing Type Poly (Bonded) Pump S/N Sample Pro #32645

Purge Start Time: 1021 Air Source: Nitrogen Tubing Diameter 0.25"

STABILIZATION PARAMETERS

TIME (min)*	FLOW RATE (mL/min) (100-500 mL/min)**	DEPTH TO WATER (+/- 0.3')**	TEMP (°C) (+/- 3%)**	SPECIFIC COND (µS/cm) (+/- 3%)**	DISSOLVED OXYGEN (mg/L) (+/- 10%)or <0.5**	pH (+/- 0.1)**	ORP (mV) (+/- 10mV)**	TURBIDITY (NTU) (+/- 10%)or <5**	COLOR/ CLARITY
1155	100	'--	10.53	165	0.94	8.49	-246.7	1200	Clear
1200			9.99	223	1.29	8.17	-181.7	44.1	Clear
1205			9.86	226	1.13	8.18	-167.6	22.1	Clear
1210			9.67	230	0.63	7.98	-144.7	18.1	Clear
1215			9.66	232	0.54	7.99	-142.5	16.4	Clear
1220			9.67	233	0.52	7.98	-140.7	16.1	Clear

* every 5 to 10 minutes, depending on volume of flow-through cell, from EPA Region 1 Low-Flow SOP version 3: 1-19-2010

SAMPLING DETAILS

FIELD-FILTERED: (Y) N **FILTER SIZE:** 0.45 µm

DUPLICATE: (Y) N DUP-4 collected AT 1300

MS/MSD: Y (N)

SAMPLED BY (PRINT): Kevin Anderson

SAMPLER(S) SIGNATURES:

SAMPLING START TIME: 1155

SAMPLING END TIME: 1225

NOTES: VOCs and metals

APPENDIX B
LABORATORY ANALYTICAL REPORTS
(on CD)

APPENDIX B
LABORATORY ANALYTICAL REPORTS
(on CD)

B.1

February 2016 Sampling Event

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44300

Sampling Dates: 02/09/16 - 02/10/16



Report to:

H&S Environmental

lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: 145

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

H&S Environmental

Job No: MC44300

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44300-1	02/09/16	10:20	KGA	02/10/16	AQ	Ground Water	G6M-13-06X
MC44300-1F	02/09/16	10:20	KGA	02/10/16	AQ	Groundwater Filtered	G6M-13-06X
MC44300-2	02/09/16	14:20	KGA	02/10/16	AQ	Ground Water	G6M-04-10X
MC44300-2D	02/09/16	14:20	KGA	02/10/16	AQ	Water Dup/MSD	G6M-04-10X
MC44300-2F	02/09/16	14:20	KGA	02/10/16	AQ	Groundwater Filtered	G6M-04-10X
MC44300-2FD	02/09/16	14:20	KGA	02/10/16	AQ	Water Dup/MSD	G6M-04-10X
MC44300-2FS	02/09/16	14:20	KGA	02/10/16	AQ	Water Matrix Spike	G6M-04-10X
MC44300-2S	02/09/16	14:20	KGA	02/10/16	AQ	Water Matrix Spike	G6M-04-10X
MC44300-3	02/09/16	16:40	KGA	02/10/16	AQ	Ground Water	G6M-93-13X
MC44300-3F	02/09/16	16:40	KGA	02/10/16	AQ	Groundwater Filtered	G6M-93-13X
MC44300-4	02/10/16	08:40	KGA	02/10/16	AQ	Ground Water	G6M-13-05X
MC44300-4F	02/10/16	08:40	KGA	02/10/16	AQ	Groundwater Filtered	G6M-13-05X
MC44300-5	02/10/16	11:00	KGA	02/10/16	AQ	Ground Water	G6M-04-02X

Sample Summary
(continued)

H&S Environmental

Job No: MC44300

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44300-5F	02/10/16	11:00	KGA	02/10/16	AQ	Groundwater Filtered	G6M-04-02X
MC44300-6	02/10/16	11:30	KGA	02/10/16	AQ	Ground Water	DUP-2
MC44300-6F	02/10/16	11:30	KGA	02/10/16	AQ	Groundwater Filtered	DUP-2
MC44300-7	02/10/16	15:30	KGA	02/10/16	AQ	Ground Water	MW-3
MC44300-7F	02/10/16	15:30	KGA	02/10/16	AQ	Groundwater Filtered	MW-3
MC44300-8	02/10/16	08:00	KGA	02/10/16	AQ	Trip Blank Water	TRIP BLANK
MC44300-9	02/10/16	14:44	KGA	02/10/16	AQ	Ground Water	G6M-03-07X
MC44300-9F	02/10/16	14:44	KGA	02/10/16	AQ	Groundwater Filtered	G6M-03-07X
MC44300-10	02/10/16	16:57	KGA	02/10/16	AQ	Ground Water	G6M-02-08X
MC44300-10F	02/10/16	16:57	KGA	02/10/16	AQ	Groundwater Filtered	G6M-02-08X

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	H&S Environmental	**Job No**	MC44300
Site:	Fort Devens, AOC50, Devens, MA	**Report Date**	2/25/2016 11:15:01 A

9 Sample(s) and 1 Trip Blank(s) were collected on between 02/09/2016 and 02/10/2016 and were received at Accutest on 02/10/2016 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of MC44300. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5209

- Analysis performed at Accutest Laboratories, Orlando FL.

Matrix: AQ **Batch ID:** F:VJ5212

- Analysis performed at Accutest Laboratories, Orlando FL.

Volatiles by GC By Method EPA 8015C

Matrix: AQ **Batch ID:** GBA1585

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2MS, MC44300-2MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25811

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2FMS, MC44300-2FMSD, MC44300-2FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic are outside control limits for sample MP25811-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95614

- Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20117

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38022

- MC44300-6 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38023

- MC44300-5 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38024

- MC44300-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38025

- MC44300-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38026

- MC44300-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38027

- MC44300-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38028

- MC44300-7 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38029

- MC44300-9 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38030

- MC44300-10 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20094

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53050

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix:	AQ	Batch ID:	GN53069

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix:	AQ	Batch ID:	GP20107

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2MS, MC44300-2MSD were used as the QC samples for Total Organic Carbon.

Matrix:	AQ	Batch ID:	GP20108

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1MS, MC44347-1MSD were used as the QC samples for Total Organic Carbon.

Matrix:	AQ	Batch ID:	GP20138

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-4MS, MC44347-4MSD were used as the QC samples for Total Organic Carbon.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC44300).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44300
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	2/22/2016 4:47:30 PM

On 02/15/2016, 9 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 1.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44300 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95614

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Sulfate.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job No:** MC44300

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 2/23/2016 6:09:34 PM

9 Samples and 1 Trip Blank were collected on/between 02/09/2016 and 02/10/2016 and were received at Accutest SE on 02/12/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of MC44300. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5209

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44300-2MS, MC44300-2MSD were used as the QC samples indicated.

MC44300-1: Sample was treated with an anti-foaming agent.

MC44300-9: Sample was treated with an anti-foaming agent.

MC44300-10: Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

MC44300-1 for Chloroethane: Associated ICV outside control limits.

MC44300-1 for Methyl Bromide: Associated ICV outside control limits.

MC44300-2 for Chloroethane: Associated ICV outside control limits.

MC44300-2 for Methyl Bromide: Associated ICV outside control limits.

MC44300-3 for Chloroethane: Associated ICV outside control limits.

MC44300-3 for Methyl Bromide: Associated ICV outside control limits.

MC44300-5 for Chloroethane: Associated ICV outside control limits.

MC44300-5 for Methyl Bromide: Associated ICV outside control limits.

MC44300-6 for Chloroethane: Associated ICV outside control limits.

MC44300-6 for Methyl Bromide: Associated ICV outside control limits.

MC44300-7 for Chloroethane: Associated ICV outside control limits.

MC44300-7 for Methyl Bromide: Associated ICV outside control limits.

MC44300-8 for Chloroethane: Associated ICV outside control limits.

MC44300-8 for Methyl Bromide: Associated ICV outside control limits.

MC44300-9 for Chloroethane: Associated ICV outside control limits.

MC44300-9 for Methyl Bromide: Associated ICV outside control limits.

MC44300-10 for Chloroethane: Associated ICV outside control limits.

MC44300-10 for Methyl Bromide: Associated ICV outside control limits.

Matrix: AQ **Batch ID:** VJ5212

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31418-34AMS, FA31418-34AMSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Methyl Iodide are outside control limits. Recovery is biased high. Analyte is non-detect in associated samples; therefore data is not adversely affected.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, Bromoform, Dibromochloromethane, Styrene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, Styrene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike / Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethylene, Methylene Chloride, Trichloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5212

RPD(s) for MSD for Bromoform are outside control limits for sample FA31418-34AMSD. Probable cause is due to sample non-homogeneity.

MC44300-4 for Chloroethane: Associated ICV outside control limits.

MC44300-4 for Methyl Bromide: Associated ICV outside control limits.

MC44300-4 for Methyl Iodide: Associated BS recovery outside control limits.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: February 23, 2016

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: MC44300
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44300-1	**G6M-13-06X**					
cis-1,2-Dichloroethylene [a]		2.0	1.0	0.50	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		0.80 J	1.0	0.50	ug/l	SW846 8260B
Toluene [a]		2.8	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		4.6	1.0	0.50	ug/l	SW846 8260B
Methane		14500	200	100	ug/l	RSK-175
Ethene		31.7	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		409	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.17	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.17	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		0.77 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		46.0	2.0	1.6	mg/l	SW846 9060
MC44300-1F	**G6M-13-06X**					
Arsenic		536	4.0	2.0	ug/l	SW846 6010C
Iron		226000	2000	1000	ug/l	SW846 6010C
Manganese		12000	300	150	ug/l	SW846 6010C
MC44300-2	**G6M-04-10X**					
Tetrachloroethylene [d]		2.3	1.0	0.50	ug/l	SW846 8260B
Methane		6.9 J	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		7.1	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.91	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.91	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		35.1	10	0.50	mg/l	EPA 300/SW846 9056A
MC44300-2F	**G6M-04-10X**					
Iron		52.6 J	100	50	ug/l	SW846 6010C
Manganese		274	15	7.5	ug/l	SW846 6010C
MC44300-3	**G6M-93-13X**					
Alkalinity, Total as CaCO3		85.7	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate + Nitrite		0.056 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		73.4	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.2	1.0	0.81	mg/l	SW846 9060
MC44300-3F	**G6M-93-13X**					
Manganese		12.4 J	15	7.5	ug/l	SW846 6010C

Summary of Hits

Job Number: MC44300
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44300-4	**G6M-13-05X**					
cis-1,2-Dichloroethylene [d]		24.2	10	5.0	ug/l	SW846 8260B
Tetrachloroethylene [d]		770	10	5.0	ug/l	SW846 8260B
Trichloroethylene [d]		5.2 J	10	5.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		6.0 J	10	5.0	ug/l	SW846 8260B
Alkalinity, Total as CaCO3		25.0	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		1.4	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		1.4	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		2.2 J	10	0.50	mg/l	EPA 300/SW846 9056A
MC44300-4F	**G6M-13-05X**					
Manganese		199	15	7.5	ug/l	SW846 6010C
MC44300-5	**G6M-04-02X**					
cis-1,2-Dichloroethylene [d]		12.3	2.0	1.0	ug/l	SW846 8260B
Tetrachloroethylene [d]		333	5.0	2.5	ug/l	SW846 8260B
Trichloroethylene [d]		60.2	2.0	1.0	ug/l	SW846 8260B
Vinyl Chloride [d]		1.5 J	2.0	1.0	ug/l	SW846 8260B
Methane		4410	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		118	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.11	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		10.1	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.1	1.0	0.81	mg/l	SW846 9060
MC44300-5F	**G6M-04-02X**					
Arsenic		118	4.0	2.0	ug/l	SW846 6010C
Iron		28300	500	250	ug/l	SW846 6010C
Manganese		8730	75	38	ug/l	SW846 6010C
MC44300-6	**DUP-2**					
cis-1,2-Dichloroethylene [d]		16.0	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [d]		296	10	5.0	ug/l	SW846 8260B
Trichloroethylene [d]		83.4	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [d]		2.2	1.0	0.50	ug/l	SW846 8260B
Methane		7920	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		118	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.11	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		10.4	10	0.50	mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: MC44300
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Total Organic Carbon		2.1	1.0	0.81	mg/l	SW846 9060
MC44300-6F	**DUP-2**					
Arsenic		116	4.0	2.0	ug/l	SW846 6010C
Iron		28100	500	250	ug/l	SW846 6010C
Manganese		8670	75	38	ug/l	SW846 6010C
MC44300-7	**MW-3**					
cis-1,2-Dichloroethylene [d]		1.0	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [d]		0.88 J	1.0	0.50	ug/l	SW846 8260B
Methane		7260	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		341	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.094 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.094 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		2.0 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		5.4	1.0	0.81	mg/l	SW846 9060
MC44300-7F	**MW-3**					
Arsenic		423	4.0	2.0	ug/l	SW846 6010C
Iron		49000	500	250	ug/l	SW846 6010C
Manganese		12000	75	38	ug/l	SW846 6010C
MC44300-8	**TRIP BLANK**					
No hits reported in this sample.						
MC44300-9	**G6M-03-07X**					
trans-1,2-Dichloroethylene [a]		1.8	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		0.78 J	1.0	0.50	ug/l	SW846 8260B
Methane		12800	200	100	ug/l	RSK-175
Ethene		5.0 J	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		194	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.18	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.18	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		0.72 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		24.7	1.0	0.81	mg/l	SW846 9060
MC44300-9F	**G6M-03-07X**					
Arsenic		461	4.0	2.0	ug/l	SW846 6010C
Iron		96700	500	250	ug/l	SW846 6010C

Summary of Hits

Job Number: MC44300
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Manganese		1360	15	7.5	ug/l	SW846 6010C
MC44300-10	**G6M-02-08X**					
Acetone [e]		167	50	40	ug/l	SW846 8260B
2-Butanone (MEK) [e]		646	10	7.0	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [e]		49.0	2.0	1.0	ug/l	SW846 8260B
2-Hexanone [e]		31.2	20	10	ug/l	SW846 8260B
Tetrachloroethylene [e]		2.9	2.0	1.0	ug/l	SW846 8260B
Toluene [e]		144	2.0	1.0	ug/l	SW846 8260B
Vinyl Chloride [e]		4.7	2.0	1.0	ug/l	SW846 8260B
Methane		14500	200	100	ug/l	RSK-175
Alkalinity, Total as CaCO3		879	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.10 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Nitrogen, Nitrite		0.0055 J	0.010	0.0033	mg/l	SM 21 4500 NO2 B
Sulfate [c]		5.3 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		3110	100	81	mg/l	SW846 9060
MC44300-10F	**G6M-02-08X**					
Arsenic		272	8.0	4.0	ug/l	SW846 6010C
Iron		1150000	10000	5000	ug/l	SW846 6010C
Manganese		12100	75	38	ug/l	SW846 6010C

(a) Sample was treated with an anti-foaming agent. Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.
(d) Analysis performed at Accutest Laboratories, Orlando FL.
(e) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent. Analysis performed at Accutest Laboratories, Orlando FL.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-13-06X		
Lab Sample ID:	MC44300-1	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974376.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.80	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-06X
Lab Sample ID: MC44300-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/09/16
Date Received: 02/10/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	2.8	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	4.6	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-06X		
Lab Sample ID:	MC44300-1	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	106%		83-118%

(a) Sample was treated with an anti-foaming agent. Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-06X		
Lab Sample ID:	MC44300-1	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23212.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2	BA23213.D	1	02/11/16	DF	n/a	n/a	GBA1585

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	14500 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	31.7	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-06X		
Lab Sample ID:	MC44300-1	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	409	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.17	0.11	0.057	mg/l	1	02/17/16 11:25	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.17	0.10	0.054	mg/l	1	02/17/16 11:25	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:15	CF	SM 21 4500 NO2 B
Sulfate [b]	0.77 J	10	0.50	mg/l	1	02/17/16 21:13	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	46.0	2.0	1.6	mg/l	2	02/13/16 08:23	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-13-06X
Lab Sample ID: MC44300-1F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/09/16
Date Received: 02/10/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	536	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Iron	226000	2000	1000	ug/l	20	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Manganese	12000	300	150	ug/l	20	02/15/16	02/24/16	EAL	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA18912
(2) Instrument QC Batch: MA18922
(3) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-10X		
Lab Sample ID:	MC44300-2	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974377.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-10X
Lab Sample ID: MC44300-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/09/16
Date Received: 02/10/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	2.3	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-10X		
Lab Sample ID:	MC44300-2	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	107%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-10X		
Lab Sample ID:	MC44300-2	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23206.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	6.9	10	5.0	ug/l	J
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-10X
Lab Sample ID: MC44300-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/09/16
Date Received: 02/10/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	7.1	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.91	0.11	0.057	mg/l	1	02/17/16 11:24	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.91	0.10	0.054	mg/l	1	02/17/16 11:24	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:15	CF	SM 21 4500 NO2 B
Sulfate [b]	35.1	10	0.50	mg/l	1	02/17/16 22:25	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	02/12/16 22:05	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-04-10X
Lab Sample ID: MC44300-2F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/09/16
Date Received: 02/10/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	52.6 J	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	274	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-93-13X		
Lab Sample ID:	MC44300-3	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974378.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-93-13X		
Lab Sample ID:	MC44300-3	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-93-13X		
Lab Sample ID:	MC44300-3	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	107%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-93-13X		
Lab Sample ID:	MC44300-3	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23214.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	5.0 U	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-93-13X		
Lab Sample ID:	MC44300-3	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	85.7	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.057 U	0.11	0.057	mg/l	1	02/17/16 11:26	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.056 J	0.10	0.054	mg/l	1	02/17/16 11:26	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:15	CF	SM 21 4500 NO2 B
Sulfate [b]	73.4	10	0.50	mg/l	1	02/17/16 22:49	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	2.2	1.0	0.81	mg/l	1	02/13/16 01:00	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-93-13X		
Lab Sample ID:	MC44300-3F	**Date Sampled:**	02/09/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	12.4 J	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-13-05X		
Lab Sample ID:	MC44300-4	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974458.D	10	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	200 U	250	200	ug/l	
71-43-2	Benzene	5.0 U	10	5.0	ug/l	
108-86-1	Bromobenzene	5.0 U	10	5.0	ug/l	
74-97-5	Bromochloromethane	5.0 U	10	5.0	ug/l	
75-27-4	Bromodichloromethane	5.0 U	10	5.0	ug/l	
75-25-2	Bromoform	5.0 U	10	5.0	ug/l	
78-93-3	2-Butanone (MEK)	35 U	50	35	ug/l	
104-51-8	n-Butylbenzene	5.0 U	10	5.0	ug/l	
135-98-8	sec-Butylbenzene	5.0 U	10	5.0	ug/l	
98-06-6	tert-Butylbenzene	5.0 U	10	5.0	ug/l	
75-15-0	Carbon Disulfide	10 U	20	10	ug/l	
56-23-5	Carbon Tetrachloride	5.0 U	10	5.0	ug/l	
108-90-7	Chlorobenzene	5.0 U	10	5.0	ug/l	
75-00-3	Chloroethane [b]	10 U	20	10	ug/l	
67-66-3	Chloroform	5.0 U	10	5.0	ug/l	
95-49-8	o-Chlorotoluene	5.0 U	10	5.0	ug/l	
106-43-4	p-Chlorotoluene	5.0 U	10	5.0	ug/l	
124-48-1	Dibromochloromethane	5.0 U	10	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	20 U	50	20	ug/l	
106-93-4	1,2-Dibromoethane	10 U	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	10 U	20	10	ug/l	
95-50-1	1,2-Dichlorobenzene	5.0 U	10	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	5.0 U	10	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	5.0 U	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	5.0 U	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	5.0 U	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	5.0 U	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	24.2	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.0 U	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	5.0 U	10	5.0	ug/l	
142-28-9	1,3-Dichloropropane	5.0 U	10	5.0	ug/l	
594-20-7	2,2-Dichloropropane	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-05X
Lab Sample ID: MC44300-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/10/16
Date Received: 02/10/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	5.0 U	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	5.0 U	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	5.0 U	10	5.0	ug/l	
100-41-4	Ethylbenzene	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	10 U	20	10	ug/l	
591-78-6	2-Hexanone	50 U	100	50	ug/l	
98-82-8	Isopropylbenzene	5.0 U	10	5.0	ug/l	
99-87-6	p-Isopropyltoluene	5.0 U	10	5.0	ug/l	
74-83-9	Methyl Bromide [b]	10 U	20	10	ug/l	
74-87-3	Methyl Chloride	10 U	20	10	ug/l	
74-88-4	Methyl Iodide [c]	5.0 U	10	5.0	ug/l	
74-95-3	Methylene Bromide	5.0 U	20	5.0	ug/l	
75-09-2	Methylene Chloride	40 U	50	40	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	20 U	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.0 U	10	5.0	ug/l	
91-20-3	Naphthalene	20 U	50	20	ug/l	
103-65-1	n-Propylbenzene	5.0 U	10	5.0	ug/l	
100-42-5	Styrene	5.0 U	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	5.0 U	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	770	10	5.0	ug/l	
108-88-3	Toluene	5.0 U	10	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	10 U	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	10 U	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	5.0 U	10	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	5.0 U	10	5.0	ug/l	
79-01-6	Trichloroethylene	5.2	10	5.0	ug/l	J
75-69-4	Trichlorofluoromethane	10 U	20	10	ug/l	
96-18-4	1,2,3-Trichloropropane	10 U	20	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	6.0	10	5.0	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	5.0 U	10	5.0	ug/l	
108-05-4	Vinyl Acetate	50 U	100	50	ug/l	
75-01-4	Vinyl Chloride	5.0 U	10	5.0	ug/l	
	m,p-Xylene	10 U	20	10	ug/l	
95-47-6	o-Xylene	5.0 U	10	5.0	ug/l	
1330-20-7	Xylene (total)	10 U	30	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-05X		
Lab Sample ID:	MC44300-4	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-05X		
Lab Sample ID:	MC44300-4	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23215.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	5.0 U	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-05X		
Lab Sample ID:	MC44300-4	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	25.0	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	1.4	0.11	0.057	mg/l	1	02/17/16 11:28	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	1.4	0.10	0.054	mg/l	1	02/17/16 11:28	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:15	CF	SM 21 4500 NO2 B
Sulfate [b]	2.2 J	10	0.50	mg/l	1	02/17/16 23:13	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	02/13/16 01:17	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-13-05X		
Lab Sample ID:	MC44300-4F	**Date Sampled:**	02/10/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	199	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-02X		
Lab Sample ID:	MC44300-5	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974380.D	2	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2 [a]	J0974459.D	5	02/19/16	AFL	n/a	n/a	F:VJ5212

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	40 U	50	40	ug/l	
71-43-2	Benzene	1.0 U	2.0	1.0	ug/l	
108-86-1	Bromobenzene	1.0 U	2.0	1.0	ug/l	
74-97-5	Bromochloromethane	1.0 U	2.0	1.0	ug/l	
75-27-4	Bromodichloromethane	1.0 U	2.0	1.0	ug/l	
75-25-2	Bromoform	1.0 U	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	7.0 U	10	7.0	ug/l	
104-51-8	n-Butylbenzene	1.0 U	2.0	1.0	ug/l	
135-98-8	sec-Butylbenzene	1.0 U	2.0	1.0	ug/l	
98-06-6	tert-Butylbenzene	1.0 U	2.0	1.0	ug/l	
75-15-0	Carbon Disulfide	2.0 U	4.0	2.0	ug/l	
56-23-5	Carbon Tetrachloride	1.0 U	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	1.0 U	2.0	1.0	ug/l	
75-00-3	Chloroethane [b]	2.0 U	4.0	2.0	ug/l	
67-66-3	Chloroform	1.0 U	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	1.0 U	2.0	1.0	ug/l	
106-43-4	p-Chlorotoluene	1.0 U	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	1.0 U	2.0	1.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	4.0 U	10	4.0	ug/l	
106-93-4	1,2-Dibromoethane	2.0 U	4.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	2.0 U	4.0	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	1.0 U	2.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	1.0 U	2.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	1.0 U	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	1.0 U	2.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	1.0 U	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	12.3	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.0 U	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	1.0 U	2.0	1.0	ug/l	
142-28-9	1,3-Dichloropropane	1.0 U	2.0	1.0	ug/l	
594-20-7	2,2-Dichloropropane	1.0 U	2.0	1.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-02X		
Lab Sample ID:	MC44300-5	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	1.0 U	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	2.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	1.0 U	2.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	2.0 U	4.0	2.0	ug/l	
591-78-6	2-Hexanone	10 U	20	10	ug/l	
98-82-8	Isopropylbenzene	1.0 U	2.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	1.0 U	2.0	1.0	ug/l	
74-83-9	Methyl Bromide [b]	2.0 U	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	2.0 U	4.0	2.0	ug/l	
74-88-4	Methyl Iodide	1.0 U	2.0	1.0	ug/l	
74-95-3	Methylene Bromide	1.0 U	4.0	1.0	ug/l	
75-09-2	Methylene Chloride	8.0 U	10	8.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	4.0 U	10	4.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.0 U	2.0	1.0	ug/l	
91-20-3	Naphthalene	4.0 U	10	4.0	ug/l	
103-65-1	n-Propylbenzene	1.0 U	2.0	1.0	ug/l	
100-42-5	Styrene	1.0 U	2.0	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	333 [c]	5.0	2.5	ug/l	
108-88-3	Toluene	1.0 U	2.0	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	2.0 U	4.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	2.0 U	4.0	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	1.0 U	2.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	1.0 U	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	60.2	2.0	1.0	ug/l	
75-69-4	Trichlorofluoromethane	2.0 U	4.0	2.0	ug/l	
96-18-4	1,2,3-Trichloropropane	2.0 U	4.0	2.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-05-4	Vinyl Acetate	10 U	20	10	ug/l	
75-01-4	Vinyl Chloride	1.5	2.0	1.0	ug/l	J
	m,p-Xylene	2.0 U	4.0	2.0	ug/l	
95-47-6	o-Xylene	1.0 U	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	2.0 U	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	97%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-02X		
Lab Sample ID:	MC44300-5	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	95%	79-125%
2037-26-5	Toluene-D8	93%	101%	85-112%
460-00-4	4-Bromofluorobenzene	105%	105%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-02X		
Lab Sample ID:	MC44300-5	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23216.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2	BA23217.D	1	02/11/16	DF	n/a	n/a	GBA1585

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	4410 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-02X
Lab Sample ID: MC44300-5
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/10/16
Date Received: 02/10/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	118	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.11	0.11	0.057	mg/l	1	02/17/16 11:29	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/17/16 11:29	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:15	CF	SM 21 4500 NO2 B
Sulfate [b]	10.1	10	0.50	mg/l	1	02/17/16 23:37	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	2.1	1.0	0.81	mg/l	1	02/13/16 04:56	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-02X		
Lab Sample ID:	MC44300-5F	**Date Sampled:**	02/10/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	118	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	28300	500	250	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	8730	75	38	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	MC44300-6	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974381.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2 [a]	J0974460.D	10	02/19/16	AFL	n/a	n/a	F:VJ5212

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	16.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-2
Lab Sample ID: MC44300-6
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/10/16
Date Received: 02/10/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	296 [c]	10	5.0	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	83.4	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	2.2	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	MC44300-6	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	94%	79-125%
2037-26-5	Toluene-D8	103%	103%	85-112%
460-00-4	4-Bromofluorobenzene	108%	106%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	MC44300-6	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23219.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2	BA23220.D	1	02/11/16	DF	n/a	n/a	GBA1585

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	7920 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-2
Lab Sample ID: MC44300-6
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/10/16
Date Received: 02/10/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	118	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.11	0.11	0.057	mg/l	1	02/17/16 11:33	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/17/16 11:33	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:15	CF	SM 21 4500 NO2 B
Sulfate [b]	10.4	10	0.50	mg/l	1	02/18/16 00:01	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	2.1	1.0	0.81	mg/l	1	02/13/16 05:11	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	MC44300-6F	**Date Sampled:**	02/10/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	116	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	28100	500	250	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	8670	75	38	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC44300-7	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974382.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-3
Lab Sample ID: MC44300-7
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/10/16
Date Received: 02/10/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.88	1.0	0.50	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC44300-7	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC44300-7	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23221.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2	BA23222.D	1	02/11/16	DF	n/a	n/a	GBA1585

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	7260 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC44300-7	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	341	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.094 J	0.11	0.057	mg/l	1	02/17/16 11:34	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.094 J	0.10	0.054	mg/l	1	02/17/16 11:34	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:17	CF	SM 21 4500 NO2 B
Sulfate [b]	2.0 J	10	0.50	mg/l	1	02/18/16 01:13	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	5.4	1.0	0.81	mg/l	1	02/13/16 05:28	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC44300-7F	**Date Sampled:**	02/10/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	423	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	49000	500	250	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	12000	75	38	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC44300-8	**Date Sampled:**	02/10/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974383.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: MC44300-8
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/10/16
Date Received: 02/10/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC44300-8	**Date Sampled:**	02/10/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	107%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-07X		
Lab Sample ID:	MC44300-9	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974384.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.8	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-07X		
Lab Sample ID:	MC44300-9	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.78	1.0	0.50	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-07X		
Lab Sample ID:	MC44300-9	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	110%		83-118%

(a) Sample was treated with an anti-foaming agent. Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-07X		
Lab Sample ID:	MC44300-9	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23223.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2	BA23224.D	1	02/11/16	DF	n/a	n/a	GBA1585

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	12800 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0	10	5.0	ug/l	J

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-07X		
Lab Sample ID:	MC44300-9	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	194	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.18	0.11	0.057	mg/l	1	02/17/16 11:35	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.18	0.10	0.054	mg/l	1	02/17/16 11:35	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/10/16 20:17	CF	SM 21 4500 NO2 B
Sulfate [b]	0.72 J	10	0.50	mg/l	1	02/18/16 01:36	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	24.7	1.0	0.81	mg/l	1	02/13/16 05:45	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-07X		
Lab Sample ID:	MC44300-9F	**Date Sampled:**	02/10/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	461	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	96700	500	250	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	1360	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-02-08X		
Lab Sample ID:	MC44300-10	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974385.D	2	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	167	50	40	ug/l	
71-43-2	Benzene	1.0 U	2.0	1.0	ug/l	
108-86-1	Bromobenzene	1.0 U	2.0	1.0	ug/l	
74-97-5	Bromochloromethane	1.0 U	2.0	1.0	ug/l	
75-27-4	Bromodichloromethane	1.0 U	2.0	1.0	ug/l	
75-25-2	Bromoform	1.0 U	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	646	10	7.0	ug/l	
104-51-8	n-Butylbenzene	1.0 U	2.0	1.0	ug/l	
135-98-8	sec-Butylbenzene	1.0 U	2.0	1.0	ug/l	
98-06-6	tert-Butylbenzene	1.0 U	2.0	1.0	ug/l	
75-15-0	Carbon Disulfide	2.0 U	4.0	2.0	ug/l	
56-23-5	Carbon Tetrachloride	1.0 U	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	1.0 U	2.0	1.0	ug/l	
75-00-3	Chloroethane [b]	2.0 U	4.0	2.0	ug/l	
67-66-3	Chloroform	1.0 U	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	1.0 U	2.0	1.0	ug/l	
106-43-4	p-Chlorotoluene	1.0 U	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	1.0 U	2.0	1.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	4.0 U	10	4.0	ug/l	
106-93-4	1,2-Dibromoethane	2.0 U	4.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	2.0 U	4.0	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	1.0 U	2.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	1.0 U	2.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	1.0 U	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	1.0 U	2.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	1.0 U	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	49.0	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.0 U	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	1.0 U	2.0	1.0	ug/l	
142-28-9	1,3-Dichloropropane	1.0 U	2.0	1.0	ug/l	
594-20-7	2,2-Dichloropropane	1.0 U	2.0	1.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-08X		
Lab Sample ID:	MC44300-10	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	1.0 U	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	2.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	1.0 U	2.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	2.0 U	4.0	2.0	ug/l	
591-78-6	2-Hexanone	31.2	20	10	ug/l	
98-82-8	Isopropylbenzene	1.0 U	2.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	1.0 U	2.0	1.0	ug/l	
74-83-9	Methyl Bromide [b]	2.0 U	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	2.0 U	4.0	2.0	ug/l	
74-88-4	Methyl Iodide	1.0 U	2.0	1.0	ug/l	
74-95-3	Methylene Bromide	1.0 U	4.0	1.0	ug/l	
75-09-2	Methylene Chloride	8.0 U	10	8.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	4.0 U	10	4.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.0 U	2.0	1.0	ug/l	
91-20-3	Naphthalene	4.0 U	10	4.0	ug/l	
103-65-1	n-Propylbenzene	1.0 U	2.0	1.0	ug/l	
100-42-5	Styrene	1.0 U	2.0	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	2.9	2.0	1.0	ug/l	
108-88-3	Toluene	144	2.0	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	2.0 U	4.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	2.0 U	4.0	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	1.0 U	2.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	1.0 U	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	1.0 U	2.0	1.0	ug/l	
75-69-4	Trichlorofluoromethane	2.0 U	4.0	2.0	ug/l	
96-18-4	1,2,3-Trichloropropane	2.0 U	4.0	2.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-05-4	Vinyl Acetate	10 U	20	10	ug/l	
75-01-4	Vinyl Chloride	4.7	2.0	1.0	ug/l	
	m,p-Xylene	2.0 U	4.0	2.0	ug/l	
95-47-6	o-Xylene	1.0 U	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	2.0 U	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-08X		
Lab Sample ID:	MC44300-10	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent. Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-08X		
Lab Sample ID:	MC44300-10	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23210.D	1	02/11/16	DF	n/a	n/a	GBA1585
Run #2	BA23211.D	1	02/11/16	DF	n/a	n/a	GBA1585

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	14500 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-08X		
Lab Sample ID:	MC44300-10	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	879	5.0	3.9	mg/l	1	02/12/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.10 J	0.11	0.057	mg/l	1	02/17/16 11:36	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/17/16 11:36	MC	EPA 353.2
Nitrogen, Nitrite	0.0055 J	0.010	0.0033	mg/l	1	02/10/16 20:17	CF	SM 21 4500 NO2 B
Sulfate [b]	5.3 J	10	0.50	mg/l	1	02/22/16 14:57	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	3110	100	81	mg/l	100	02/22/16 22:32	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-02-08X		
Lab Sample ID:	MC44300-10F	**Date Sampled:**	02/10/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/10/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	272	8.0	4.0	ug/l	2	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	1150000	10000	5000	ug/l	100	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	12100	75	38	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

(p 1 of 2)

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: MC44300
Accutest Control #:

Client Information

Name: H&S Environmental
Address: 160 East Main Street, Suite 2F
City: Westborough State: MA Zip: 01581
Send Report to: Laurie Ekes (lekes@hsenv.com)
Phone #: (508)367-7190

Facility Information

Project Name: Devens
Location: AOC50 February 2016
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: VOC	NaOH	HNO3	H2SO4	None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P HNO3	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)
1F GbM-13-06X	2/9/16	1020	IGA	WG	3	3	1	1	1	1	X	X	X	X	X	X	X
2F GbM-04-10X	2/9/16	1420	IGA	WG	3	3	1	1	1	1	X	X	X	X	X	X	X
GbM-04-10X MS	2/9/16	1420	IGA	WG	3	3	1	1	1	1	X	X	X	X	X	X	X
GbM-04-10X MSD	2/9/16	1420	IGA	WG	3	3	1	1	1	1	X	X	X	X	X	X	X
3F GbM-93-13X	2/9/16	1640	IGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
4F GbM-13-05X	2/10/16	840	IGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
5F GbM-04-02X	2/10/16	1100	IGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
6F DUP-2	2/10/16	1130	IGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
7F MW-3	2/10/16	1530	IGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
8 Trip Blank	2/9/16	800	IGA	DI	2	2					X						

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [X] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

Low 9B, 5C, 3B4

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/10/16 1808	1	2		2
3		3	4		4
5		5	Seal #	Preserved ☐	On Ice: ☐ 1.3 -1.8°C

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

(P2 of 2)

Accutest Job #: MC 44300

Accutest Control #:

Client Information

Name: H&S Environmental

Address: 160 East Main Street, Suite 2F

City: Westborough State: MA Zip: 01581

Send Report to: Laurie Ekes (lekes@hsenv.com)

Phone #: (508)367-7190

Facility Information

Project Name: Devens

Location: AOC50 February 2016

Project No.:

FAX #:

Analytical Information

Field ID / Point of Collection	Collection: Date	Collection: Time	Collection: Sampled By	Matrix	# of bottles	Preservation: VOC	Preservation: NaOH	Preservation: HNO3	Preservation: H2SO4	Preservation: None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P HNO3	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)				
9F 66M-03-07X	2/9/16	1444	EA	WG	11 ~~13~~	~~9~~ 7	1	1	1	1	X	X	X	X	X	X	X				
10F 66M-02-08X	2/9/16	1657	EA	WG	11 ~~13~~	~~9~~ 7	1	1	1	1	X	X	X	X	X	X	X				
				~~WG~~	~~13~~	~~9~~	~~1~~	~~1~~	~~1~~	~~1~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~66M~~				
				~~WG~~	~~13~~	~~9~~	~~1~~	~~1~~	~~1~~	~~1~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~66A~~				

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/10/16 1808	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved ☐	On Ice: ☑ 1,3° -1,8°C

SGS Accutest Sample Receipt Summary

Job Number: MC44300 **Client:** H&S **Project:** DEVENS

Date / Time Received: 2/10/2016 6:08:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (1.3/1.3); #2: (1.8/1.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control _Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25811	SW846 6010C						
MP25811-B1	7440-38-2	Arsenic	BSP	REC	102.2	%	87-113
MP25811-B1	7439-89-6	Iron	BSP	REC	99.5	%	87-115
MP25811-B1	7439-96-5	Manganese	BSP	REC	102.2	%	90-114
MP25811-S1	7440-38-2	Arsenic	MS	REC	104.7	%	87-113
MP25811-S1	7439-89-6	Iron	MS	REC	99.2	%	87-115
MP25811-S1	7439-96-5	Manganese	MS	REC	99.4	%	90-114
MP25811-S2	7440-38-2	Arsenic	MSD	REC	106.1	%	87-113
MP25811-S2	7440-38-2	Arsenic	MSD	RPD	1.3	%	20
MP25811-S2	7439-89-6	Iron	MSD	REC	99.8	%	87-115
MP25811-S2	7439-89-6	Iron	MSD	RPD	.6	%	20
MP25811-S2	7439-96-5	Manganese	MSD	REC	102.2	%	90-114
MP25811-S2	7439-96-5	Manganese	MSD	RPD	1.8	%	20

* Sample used for QC is not from job MC44300

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44300
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1585-MB	BA23204.D	1	02/11/16	DF	n/a	n/a	GBA1585

The QC reported here applies to the following samples: **Method:** RSK-175

MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44300
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1585-BSP	BA23205.D	1	02/11/16	DF	n/a	n/a	GBA1585

The QC reported here applies to the following samples: **Method:** RSK-175

MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	87.6	99	50-150
74-84-0	Ethane	166	166	100	50-150
74-85-1	Ethene	155	172	111	50-150

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44300-2MS	BA23207.D	1	02/11/16	DF	n/a	n/a	GBA1585
MC44300-2MSD	BA23208.D	1	02/11/16	DF	n/a	n/a	GBA1585
MC44300-2	BA23206.D	1	02/11/16	DF	n/a	n/a	GBA1585

The QC reported here applies to the following samples: **Method:** RSK-175

MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10

CAS No.	Compound	MC44300-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	6.9	J	88.7	84.8	88	88.7	93.2	97	9	50-150/30
74-84-0	Ethane	10 U		166	142	86	166	160	96	12	50-150/30
74-85-1	Ethene	10 U		155	136	88	155	166	107	20	50-150/30

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.20	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	-0.30	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.10	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25811: MC44300-1F, MC44300-2F, MC44300-3F, MC44300-4F, MC44300-5F, MC44300-6F, MC44300-7F, MC44300-9F, MC44300-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	1.5	525	500	104.7	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	0.00	9920	10000	99.2	75-125
Lead					
Lithium					
Magnesium					
Manganese	274	771	500	99.4	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44300-1F, MC44300-2F, MC44300-3F, MC44300-4F, MC44300-5F, MC44300-6F, MC44300-7F, MC44300-9F, MC44300-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.5	532	500	106.1	1.3	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	0.00	9980	10000	99.8	0.6	20
Lead						
Lithium						
Magnesium						
Manganese	274	785	500	102.2	1.8	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25811: MC44300-1F, MC44300-2F, MC44300-3F, MC44300-4F, MC44300-5F, MC44300-6F, MC44300-7F, MC44300-9F, MC44300-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	511	500	102.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	9950	10000	99.5	80-120
Lead				
Lithium				
Magnesium				
Manganese	511	500	102.2	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44300-1F, MC44300-2F, MC44300-3F, MC44300-4F, MC44300-5F, MC44300-6F, MC44300-7F, MC44300-9F, MC44300-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	1.50	0.00	100.0(a)	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	0.00	0.00	NC	0-10
Lead				
Lithium				
Magnesium				
Manganese	274	280	2.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	SDL 1:5	%DIF	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44300-1F, MC44300-2F, MC44300-3F, MC44300-4F, MC44300-5F, MC44300-6F, MC44300-7F, MC44300-9F, MC44300-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53050	5.0	0.0	mg/l	250	259	103.6	80-120%
Nitrogen, Nitrate + Nitrite	GP20117/GN53077	0.10	0.0	mg/l	2	2.02	101.0	90-110%
Nitrogen, Nitrite	GP20094/GN53031	0.010	0.0	mg/l	0.02	0.019	95.0	80-120%
Sulfide	GN53069	2.0	0.0	mg/l	12.6	11.2	88.9	80-120%
Total Organic Carbon	GP20107/GN53061	1.0	0.0	mg/l	10	10.0	100.0	80-120%
Total Organic Carbon	GP20108/GN53061	1.0	0.0	mg/l	10	9.35	93.5	80-120%
Total Organic Carbon	GP20138/GN53125	1.0	0.0	mg/l	10	9.05	90.5	80-120%

Associated Samples:
Batch GN53050: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GN53069: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20094: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20107: MC44300-1, MC44300-2, MC44300-3, MC44300-4
Batch GP20108: MC44300-5, MC44300-6, MC44300-7, MC44300-9
Batch GP20117: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20138: MC44300-10
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53050	MC44300-2	mg/l	7.1	7.1	0.0	0-20%
Nitrogen, Nitrate + Nitrite	GP20117/GN53077	MC44300-2	mg/l	0.91	0.90	1.1	0-20%
Nitrogen, Nitrite	GP20094/GN53031	MC44300-2	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53069	MC44300-2	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53050: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GN53069: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20094: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20117: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53050	MC44300-2	mg/l	7.1	250	264	102.8	75-125%
Nitrogen, Nitrate + Nitrite	GP20117/GN53077	MC44300-2	mg/l	0.91	2	2.9	99.5	90-110%
Nitrogen, Nitrite	GP20094/GN53031	MC44300-2	mg/l	0.0011 U	0.02	0.018	90.0	75-125%
Sulfide	GN53069	MC44300-2	mg/l	0.34 U	10.1	9.4	93.1	75-125%
Total Organic Carbon	GP20107/GN53061	MC44300-2	mg/l	0.27 U	10	11.0	104.4	75-125%
Total Organic Carbon	GP20108/GN53061	MC44347-1	mg/l	1.6	10	10.9	93.0	75-125%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	11.5	93.0	75-125%

Associated Samples:
Batch GN53050: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GN53069: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20094: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20107: MC44300-1, MC44300-2, MC44300-3, MC44300-4
Batch GP20108: MC44300-5, MC44300-6, MC44300-7, MC44300-9
Batch GP20117: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
Batch GP20138: MC44300-10
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20107/GN53061	MC44300-2	mg/l	0.27 U	10	10.4	5.6	20%
Total Organic Carbon	GP20108/GN53061	MC44347-1	mg/l	1.6	10	11.1	1.8	20%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	12.0	4.3	20%

Associated Samples:
Batch GP20107: MC44300-1, MC44300-2, MC44300-3, MC44300-4
Batch GP20108: MC44300-5, MC44300-6, MC44300-7, MC44300-9
Batch GP20138: MC44300-10
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #
Bottle Order Control #
SGS Accutest Quote #
SGS Accutest Job MC44300

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175:
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD ,VMS+8260C ,VMS+MTBE ,	LAB USE ONLY
1	66M-13-06X		2/9/16	10:20:00 AM	KGA	AQ	2	x								X	
2S	66M-04-10X		2/9/16	2:20:00 PM	KGA	AQ										X	
2D	66M-04-10X		2/9/16	2:20:00 PM	KGA	AQ										X	
2	66M-04-10X		2/9/16	2:20:00 PM	KGA	AQ	6	x								X	MS/MSD
3	66M-93-13X		2/9/16	4:40:00 PM	KGA	AQ	2	x								X	
4	66M-13-05X		2/10/16	8:40:00 AM	KGA	AQ	2	x								X	
5	66M-04-02X		2/10/16	11:00:00 AM	KGA	AQ	2	x								X	
6	DUP-2		2/10/16	11:30:00 AM	KGA	AQ	2	x								X	
7	MW-3		2/10/16	3:30:00 PM	KGA	AQ	2	x								X	
8	TRIP BLANK		2/10/16	8:00:00 AM	KGA	AQ	2	x								X	
9	66M-03-07X		2/10/16	2:44:00 PM	KGA	AQ	2	x								X	
10	66M-02-08X		2/10/16	4:57:00 PM	KGA	AQ	2	x								X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 2/24/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE – DOD: Need 8260C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-11-16	1 FEDX	2 FX		2 [signature] 2/12/16 9:30
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐	On Ice 1 8 Cooler Temp. 3.4

9.1

9

MC44300: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC44300 CLIENT: ALNE PROJECT: Fort Devens

DATE/TIME RECEIVED: 2/12/16 9:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: [FEDEX] UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6585 2492 2763

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 3.8
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

TP 2/13/16

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: *Only 2 vials received for each sample

TECHNICIAN SIGNATURE/DATE 2/13/16 REVIEWER SIGNATURE/DATE 2/13/16

NF 11/15 receipt confirmation 111015.xls

9.1

9


(508) 481-6200
SHIP DATE: 11FEB16
ACTWGT: 15.0 LB MAN
CAD: 0990801/CAFE2807
BILL SENDER
TO SAMPLE MANAGEMENT
SGS ACCUTEST SOUTHEAST
4405 VINELAND RD
SUITE C-15
ORLANDO FL 328115803
(407) 425-6700
FedEx
Express
TRK# 0201 6595 2492 2763
FRI - 12 FEB AA
STANDARD OVERNIGHT
EA TIXA
328
FL-US

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5209	SW846 8260B						
VJ5209-BS	67-64-1	Acetone	BSP	REC	108	%	39-160
VJ5209-BS	71-43-2	Benzene	BSP	REC	100	%	79-120
VJ5209-BS	108-86-1	Bromobenzene	BSP	REC	100	%	80-120
VJ5209-BS	74-97-5	Bromochloromethane	BSP	REC	105	%	78-123
VJ5209-BS	75-27-4	Bromodichloromethane	BSP	REC	103	%	79-125
VJ5209-BS	75-25-2	Bromoform	BSP	REC	91	%	66-130
VJ5209-BS	78-93-3	2-Butanone (MEK)	BSP	REC	90	%	56-143
VJ5209-BS	104-51-8	n-Butylbenzene	BSP	REC	108	%	75-128
VJ5209-BS	135-98-8	sec-Butylbenzene	BSP	REC	116	%	77-126
VJ5209-BS	98-06-6	tert-Butylbenzene	BSP	REC	107	%	78-124
VJ5209-BS	75-15-0	Carbon Disulfide	BSP	REC	116	%	64-133
VJ5209-BS	56-23-5	Carbon Tetrachloride	BSP	REC	103	%	72-136
VJ5209-BS	108-90-7	Chlorobenzene	BSP	REC	99	%	82-118
VJ5209-BS	75-00-3	Chloroethane	BSP	REC	96	%	60-138
VJ5209-BS	67-66-3	Chloroform	BSP	REC	103	%	79-124
VJ5209-BS	95-49-8	o-Chlorotoluene	BSP	REC	106	%	79-122
VJ5209-BS	106-43-4	p-Chlorotoluene	BSP	REC	106	%	78-122
VJ5209-BS	124-48-1	Dibromochloromethane	BSP	REC	93	%	74-126
VJ5209-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	76	%	62-128
VJ5209-BS	106-93-4	1,2-Dibromoethane	BSP	REC	94	%	77-121
VJ5209-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	79	%	32-152
VJ5209-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	100	%	80-119
VJ5209-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	107	%	80-119
VJ5209-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	100	%	79-118
VJ5209-BS	75-34-3	1,1-Dichloroethane	BSP	REC	102	%	77-125
VJ5209-BS	107-06-2	1,2-Dichloroethane	BSP	REC	92	%	73-128
VJ5209-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	110	%	71-131
VJ5209-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	98	%	78-123
VJ5209-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	109	%	75-124
VJ5209-BS	78-87-5	1,2-Dichloropropane	BSP	REC	98	%	78-122
VJ5209-BS	142-28-9	1,3-Dichloropropane	BSP	REC	90	%	80-119
VJ5209-BS	594-20-7	2,2-Dichloropropane	BSP	REC	105	%	60-139
VJ5209-BS	563-58-6	1,1-Dichloropropene	BSP	REC	103	%	79-125
VJ5209-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	95	%	75-124
VJ5209-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	106	%	73-127
VJ5209-BS	100-41-4	Ethylbenzene	BSP	REC	97	%	79-121
VJ5209-BS	87-68-3	Hexachlorobutadiene	BSP	REC	92	%	66-134
VJ5209-BS	591-78-6	2-Hexanone	BSP	REC	90	%	57-139
VJ5209-BS	98-82-8	Isopropylbenzene	BSP	REC	100	%	72-131
VJ5209-BS	99-87-6	p-Isopropyltoluene	BSP	REC	97	%	77-127
VJ5209-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141
VJ5209-BS	74-87-3	Methyl Chloride	BSP	REC	85	%	50-139

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5209-BS	74-88-4	Methyl Iodide	BSP	REC	108	%	69-131
VJ5209-BS	74-95-3	Methylene Bromide	BSP	REC	96	%	79-123
VJ5209-BS	75-09-2	Methylene Chloride	BSP	REC	88	%	74-124
VJ5209-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	91	%	67-130
VJ5209-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	95	%	71-124
VJ5209-BS	91-20-3	Naphthalene	BSP	REC	78	%	61-128
VJ5209-BS	103-65-1	n-Propylbenzene	BSP	REC	117	%	76-126
VJ5209-BS	100-42-5	Styrene	BSP	REC	106	%	78-123
VJ5209-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	104	%	78-124
VJ5209-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	85	%	71-121
VJ5209-BS	127-18-4	Tetrachloroethylene	BSP	REC	100	%	74-129
VJ5209-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
VJ5209-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	83	%	69-129
VJ5209-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	89	%	69-130
VJ5209-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	98	%	74-131
VJ5209-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	92	%	80-119
VJ5209-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VJ5209-BS	75-69-4	Trichlorofluoromethane	BSP	REC	96	%	65-141
VJ5209-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	83	%	73-122
VJ5209-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	106	%	76-124
VJ5209-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	107	%	75-124
VJ5209-BS	108-05-4	Vinyl Acetate	BSP	REC	82	%	54-146
VJ5209-BS	75-01-4	Vinyl Chloride	BSP	REC	94	%	58-137
VJ5209-BS		m,p-Xylene	BSP	REC	99	%	80-121
VJ5209-BS	95-47-6	o-Xylene	BSP	REC	106	%	78-122
VJ5209-BS	1330-20-7	Xylene (total)	BSP	REC	102	%	79-121
VJ5209-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5209-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	95	%	81-118
VJ5209-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
VJ5209-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	85-114
MC44300-2MS	67-64-1	Acetone	MS	REC	85	%	39-160
MC44300-2MS	71-43-2	Benzene	MS	REC	105	%	79-120
MC44300-2MS	108-86-1	Bromobenzene	MS	REC	105	%	80-120
MC44300-2MS	74-97-5	Bromochloromethane	MS	REC	111	%	78-123
MC44300-2MS	75-27-4	Bromodichloromethane	MS	REC	101	%	79-125
MC44300-2MS	75-25-2	Bromoform	MS	REC	80	%	66-130
MC44300-2MS	78-93-3	2-Butanone (MEK)	MS	REC	86	%	56-143
MC44300-2MS	104-51-8	n-Butylbenzene	MS	REC	109	%	75-128
MC44300-2MS	135-98-8	sec-Butylbenzene	MS	REC	118	%	77-126
MC44300-2MS	98-06-6	tert-Butylbenzene	MS	REC	107	%	78-124
MC44300-2MS	75-15-0	Carbon Disulfide	MS	REC	112	%	64-133
MC44300-2MS	56-23-5	Carbon Tetrachloride	MS	REC	104	%	72-136
MC44300-2MS	108-90-7	Chlorobenzene	MS	REC	103	%	82-118
MC44300-2MS	75-00-3	Chloroethane	MS	REC	105	%	60-138
MC44300-2MS	67-66-3	Chloroform	MS	REC	106	%	79-124

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44300-2MS	95-49-8	o-Chlorotoluene	MS	REC	108	%	79-122
MC44300-2MS	106-43-4	p-Chlorotoluene	MS	REC	108	%	78-122
MC44300-2MS	124-48-1	Dibromochloromethane	MS	REC	87	%	74-126
MC44300-2MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	84	%	62-128
MC44300-2MS	106-93-4	1,2-Dibromoethane	MS	REC	98	%	77-121
MC44300-2MS	75-71-8	Dichlorodifluoromethane	MS	REC	82	%	32-152
MC44300-2MS	95-50-1	1,2-Dichlorobenzene	MS	REC	104	%	80-119
MC44300-2MS	541-73-1	1,3-Dichlorobenzene	MS	REC	109	%	80-119
MC44300-2MS	106-46-7	1,4-Dichlorobenzene	MS	REC	104	%	79-118
MC44300-2MS	75-34-3	1,1-Dichloroethane	MS	REC	106	%	77-125
MC44300-2MS	107-06-2	1,2-Dichloroethane	MS	REC	97	%	73-128
MC44300-2MS	75-35-4	1,1-Dichloroethylene	MS	REC	112	%	71-131
MC44300-2MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	98	%	78-123
MC44300-2MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	113	%	75-124
MC44300-2MS	78-87-5	1,2-Dichloropropane	MS	REC	102	%	78-122
MC44300-2MS	142-28-9	1,3-Dichloropropane	MS	REC	94	%	80-119
MC44300-2MS	594-20-7	2,2-Dichloropropane	MS	REC	97	%	60-139
MC44300-2MS	563-58-6	1,1-Dichloropropene	MS	REC	106	%	79-125
MC44300-2MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	89	%	75-124
MC44300-2MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	106	%	73-127
MC44300-2MS	100-41-4	Ethylbenzene	MS	REC	99	%	79-121
MC44300-2MS	87-68-3	Hexachlorobutadiene	MS	REC	88	%	66-134
MC44300-2MS	591-78-6	2-Hexanone	MS	REC	98	%	57-139
MC44300-2MS	98-82-8	Isopropylbenzene	MS	REC	100	%	72-131
MC44300-2MS	99-87-6	p-Isopropyltoluene	MS	REC	98	%	77-127
MC44300-2MS	74-83-9	Methyl Bromide	MS	REC	104	%	53-141
MC44300-2MS	74-87-3	Methyl Chloride	MS	REC	91	%	50-139
MC44300-2MS	74-88-4	Methyl Iodide	MS	REC	112	%	69-131
MC44300-2MS	74-95-3	Methylene Bromide	MS	REC	102	%	79-123
MC44300-2MS	75-09-2	Methylene Chloride	MS	REC	90	%	74-124
MC44300-2MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	102	%	67-130
MC44300-2MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	103	%	71-124
MC44300-2MS	91-20-3	Naphthalene	MS	REC	88	%	61-128
MC44300-2MS	103-65-1	n-Propylbenzene	MS	REC	118	%	76-126
MC44300-2MS	100-42-5	Styrene	MS	REC	82	%	78-123
MC44300-2MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	109	%	78-124
MC44300-2MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	92	%	71-121
MC44300-2MS	127-18-4	Tetrachloroethylene	MS	REC	98	%	74-129
MC44300-2MS	108-88-3	Toluene	MS	REC	99	%	80-121
MC44300-2MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	84	%	69-129
MC44300-2MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	92	%	69-130
MC44300-2MS	71-55-6	1,1,1-Trichloroethane	MS	REC	100	%	74-131
MC44300-2MS	79-00-5	1,1,2-Trichloroethane	MS	REC	98	%	80-119
MC44300-2MS	79-01-6	Trichloroethylene	MS	REC	113	%	79-123
MC44300-2MS	75-69-4	Trichlorofluoromethane	MS	REC	101	%	65-141

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44300-2MS	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
MC44300-2MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	97	%	76-124
MC44300-2MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	102	%	75-124
MC44300-2MS	108-05-4	Vinyl Acetate	MS	REC	73	%	54-146
MC44300-2MS	75-01-4	Vinyl Chloride	MS	REC	101	%	58-137
MC44300-2MS		m,p-Xylene	MS	REC	99	%	80-121
MC44300-2MS	95-47-6	o-Xylene	MS	REC	105	%	78-122
MC44300-2MS	1330-20-7	Xylene (total)	MS	REC	101	%	79-121
MC44300-2MS	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
MC44300-2MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	94	%	81-118
MC44300-2MS	2037-26-5	Toluene-D8	MS	SURR	95	%	89-112
MC44300-2MS	460-00-4	4-Bromofluorobenzene	MS	SURR	97	%	85-114
MC44300-2MSD	67-64-1	Acetone	MSD	REC	88	%	39-160
MC44300-2MSD	67-64-1	Acetone	MSD	RPD	4	%	20
MC44300-2MSD	71-43-2	Benzene	MSD	REC	102	%	79-120
MC44300-2MSD	71-43-2	Benzene	MSD	RPD	3	%	20
MC44300-2MSD	108-86-1	Bromobenzene	MSD	REC	102	%	80-120
MC44300-2MSD	108-86-1	Bromobenzene	MSD	RPD	2	%	20
MC44300-2MSD	74-97-5	Bromochloromethane	MSD	REC	107	%	78-123
MC44300-2MSD	74-97-5	Bromochloromethane	MSD	RPD	3	%	20
MC44300-2MSD	75-27-4	Bromodichloromethane	MSD	REC	98	%	79-125
MC44300-2MSD	75-27-4	Bromodichloromethane	MSD	RPD	4	%	20
MC44300-2MSD	75-25-2	Bromoform	MSD	REC	80	%	66-130
MC44300-2MSD	75-25-2	Bromoform	MSD	RPD	1	%	20
MC44300-2MSD	78-93-3	2-Butanone (MEK)	MSD	REC	89	%	56-143
MC44300-2MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	3	%	20
MC44300-2MSD	104-51-8	n-Butylbenzene	MSD	REC	107	%	75-128
MC44300-2MSD	104-51-8	n-Butylbenzene	MSD	RPD	2	%	20
MC44300-2MSD	135-98-8	sec-Butylbenzene	MSD	REC	116	%	77-126
MC44300-2MSD	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
MC44300-2MSD	98-06-6	tert-Butylbenzene	MSD	REC	107	%	78-124
MC44300-2MSD	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
MC44300-2MSD	75-15-0	Carbon Disulfide	MSD	REC	107	%	64-133
MC44300-2MSD	75-15-0	Carbon Disulfide	MSD	RPD	5	%	20
MC44300-2MSD	56-23-5	Carbon Tetrachloride	MSD	REC	98	%	72-136
MC44300-2MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
MC44300-2MSD	108-90-7	Chlorobenzene	MSD	REC	99	%	82-118
MC44300-2MSD	108-90-7	Chlorobenzene	MSD	RPD	4	%	20
MC44300-2MSD	75-00-3	Chloroethane	MSD	REC	92	%	60-138
MC44300-2MSD	75-00-3	Chloroethane	MSD	RPD	14	%	20
MC44300-2MSD	67-66-3	Chloroform	MSD	REC	103	%	79-124
MC44300-2MSD	67-66-3	Chloroform	MSD	RPD	3	%	20
MC44300-2MSD	95-49-8	o-Chlorotoluene	MSD	REC	105	%	79-122
MC44300-2MSD	95-49-8	o-Chlorotoluene	MSD	RPD	3	%	20
MC44300-2MSD	106-43-4	p-Chlorotoluene	MSD	REC	105	%	78-122

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44300-2MSD	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
MC44300-2MSD	124-48-1	Dibromochloromethane	MSD	REC	86	%	74-126
MC44300-2MSD	124-48-1	Dibromochloromethane	MSD	RPD	1	%	20
MC44300-2MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	86	%	62-128
MC44300-2MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	3	%	20
MC44300-2MSD	106-93-4	1,2-Dibromoethane	MSD	REC	98	%	77-121
MC44300-2MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	0	%	20
MC44300-2MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	80	%	32-152
MC44300-2MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	2	%	20
MC44300-2MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	104	%	80-119
MC44300-2MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	0	%	20
MC44300-2MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	108	%	80-119
MC44300-2MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	0	%	20
MC44300-2MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	102	%	79-118
MC44300-2MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
MC44300-2MSD	75-34-3	1,1-Dichloroethane	MSD	REC	102	%	77-125
MC44300-2MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	3	%	20
MC44300-2MSD	107-06-2	1,2-Dichloroethane	MSD	REC	95	%	73-128
MC44300-2MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
MC44300-2MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	109	%	71-131
MC44300-2MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
MC44300-2MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	98	%	78-123
MC44300-2MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
MC44300-2MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	108	%	75-124
MC44300-2MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	4	%	20
MC44300-2MSD	78-87-5	1,2-Dichloropropane	MSD	REC	102	%	78-122
MC44300-2MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	0	%	20
MC44300-2MSD	142-28-9	1,3-Dichloropropane	MSD	REC	93	%	80-119
MC44300-2MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
MC44300-2MSD	594-20-7	2,2-Dichloropropane	MSD	REC	96	%	60-139
MC44300-2MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	0	%	20
MC44300-2MSD	563-58-6	1,1-Dichloropropene	MSD	REC	102	%	79-125
MC44300-2MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	4	%	20
MC44300-2MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	86	%	75-124
MC44300-2MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	4	%	20
MC44300-2MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	101	%	73-127
MC44300-2MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44300-2MSD	100-41-4	Ethylbenzene	MSD	REC	98	%	79-121
MC44300-2MSD	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
MC44300-2MSD	87-68-3	Hexachlorobutadiene	MSD	REC	93	%	66-134
MC44300-2MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	5	%	20
MC44300-2MSD	591-78-6	2-Hexanone	MSD	REC	102	%	57-139
MC44300-2MSD	591-78-6	2-Hexanone	MSD	RPD	4	%	20
MC44300-2MSD	98-82-8	Isopropylbenzene	MSD	REC	99	%	72-131
MC44300-2MSD	98-82-8	Isopropylbenzene	MSD	RPD	1	%	20

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44300-2MSD	99-87-6	p-Isopropyltoluene	MSD	REC	96	%	77-127
MC44300-2MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
MC44300-2MSD	74-83-9	Methyl Bromide	MSD	REC	95	%	53-141
MC44300-2MSD	74-83-9	Methyl Bromide	MSD	RPD	9	%	20
MC44300-2MSD	74-87-3	Methyl Chloride	MSD	REC	88	%	50-139
MC44300-2MSD	74-87-3	Methyl Chloride	MSD	RPD	4	%	20
MC44300-2MSD	74-88-4	Methyl Iodide	MSD	REC	114	%	69-131
MC44300-2MSD	74-88-4	Methyl Iodide	MSD	RPD	2	%	20
MC44300-2MSD	74-95-3	Methylene Bromide	MSD	REC	100	%	79-123
MC44300-2MSD	74-95-3	Methylene Bromide	MSD	RPD	3	%	20
MC44300-2MSD	75-09-2	Methylene Chloride	MSD	REC	87	%	74-124
MC44300-2MSD	75-09-2	Methylene Chloride	MSD	RPD	3	%	20
MC44300-2MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	104	%	67-130
MC44300-2MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	2	%	20
MC44300-2MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	103	%	71-124
MC44300-2MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	0	%	20
MC44300-2MSD	91-20-3	Naphthalene	MSD	REC	92	%	61-128
MC44300-2MSD	91-20-3	Naphthalene	MSD	RPD	5	%	20
MC44300-2MSD	103-65-1	n-Propylbenzene	MSD	REC	116	%	76-126
MC44300-2MSD	103-65-1	n-Propylbenzene	MSD	RPD	2	%	20
MC44300-2MSD	100-42-5	Styrene	MSD	REC	90	%	78-123
MC44300-2MSD	100-42-5	Styrene	MSD	RPD	10	%	20
MC44300-2MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	104	%	78-124
MC44300-2MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	4	%	20
MC44300-2MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	93	%	71-121
MC44300-2MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	2	%	20
MC44300-2MSD	127-18-4	Tetrachloroethylene	MSD	REC	96	%	74-129
MC44300-2MSD	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44300-2MSD	108-88-3	Toluene	MSD	REC	99	%	80-121
MC44300-2MSD	108-88-3	Toluene	MSD	RPD	0	%	20
MC44300-2MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	90	%	69-129
MC44300-2MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	6	%	20
MC44300-2MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	94	%	69-130
MC44300-2MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	2	%	20
MC44300-2MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	98	%	74-131
MC44300-2MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	2	%	20
MC44300-2MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	97	%	80-119
MC44300-2MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	1	%	20
MC44300-2MSD	79-01-6	Trichloroethylene	MSD	REC	112	%	79-123
MC44300-2MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
MC44300-2MSD	75-69-4	Trichlorofluoromethane	MSD	REC	95	%	65-141
MC44300-2MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	6	%	20
MC44300-2MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	94	%	73-122
MC44300-2MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	3	%	20
MC44300-2MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	100	%	76-124

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44300-2MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	4	%	20
MC44300-2MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	105	%	75-124
MC44300-2MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	3	%	20
MC44300-2MSD	108-05-4	Vinyl Acetate	MSD	REC	73	%	54-146
MC44300-2MSD	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
MC44300-2MSD	75-01-4	Vinyl Chloride	MSD	REC	97	%	58-137
MC44300-2MSD	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
MC44300-2MSD		m,p-Xylene	MSD	REC	99	%	80-121
MC44300-2MSD		m,p-Xylene	MSD	RPD	0	%	20
MC44300-2MSD	95-47-6	o-Xylene	MSD	REC	105	%	78-122
MC44300-2MSD	95-47-6	o-Xylene	MSD	RPD	0	%	20
MC44300-2MSD	1330-20-7	Xylene (total)	MSD	REC	101	%	79-121
MC44300-2MSD	1330-20-7	Xylene (total)	MSD	RPD	0	%	20
MC44300-2MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	100	%	80-119
MC44300-2MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	92	%	81-118
MC44300-2MSD	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
MC44300-2MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
VJ5209-MB	1868-53-7	Dibromofluoromethane	MB	SURR	97	%	80-119
VJ5209-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	96	%	81-118
VJ5209-MB	2037-26-5	Toluene-D8	MB	SURR	104	%	89-112
VJ5209-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	106	%	85-114
MC44300-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44300-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
MC44300-1	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44300-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	106	%	85-114
MC44300-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44300-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
MC44300-2	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44300-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	85-114
MC44300-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44300-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
MC44300-3	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
MC44300-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	85-114
MC44300-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
MC44300-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
MC44300-5	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
MC44300-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
MC44300-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44300-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
MC44300-6	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44300-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	108	%	85-114
MC44300-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44300-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
MC44300-7	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44300-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	104	%	85-114

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44300-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44300-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
MC44300-8	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44300-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	85-114
MC44300-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44300-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
MC44300-9	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
MC44300-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	110	%	85-114
MC44300-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44300-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
MC44300-10	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
MC44300-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
VJ5212	SW846 8260B						
VJ5212-BS	67-64-1	Acetone	BSP	REC	118	%	39-160
VJ5212-BS	71-43-2	Benzene	BSP	REC	110	%	79-120
VJ5212-BS	108-86-1	Bromobenzene	BSP	REC	109	%	80-120
VJ5212-BS	74-97-5	Bromochloromethane	BSP	REC	115	%	78-123
VJ5212-BS	75-27-4	Bromodichloromethane	BSP	REC	109	%	79-125
VJ5212-BS	75-25-2	Bromoform	BSP	REC	98	%	66-130
VJ5212-BS	78-93-3	2-Butanone (MEK)	BSP	REC	94	%	56-143
VJ5212-BS	104-51-8	n-Butylbenzene	BSP	REC	117	%	75-128
VJ5212-BS	135-98-8	sec-Butylbenzene	BSP	REC	124	%	77-126
VJ5212-BS	98-06-6	tert-Butylbenzene	BSP	REC	112	%	78-124
VJ5212-BS	75-15-0	Carbon Disulfide	BSP	REC	128	%	64-133
VJ5212-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VJ5212-BS	108-90-7	Chlorobenzene	BSP	REC	106	%	82-118
VJ5212-BS	75-00-3	Chloroethane	BSP	REC	104	%	60-138
VJ5212-BS	67-66-3	Chloroform	BSP	REC	112	%	79-124
VJ5212-BS	95-49-8	o-Chlorotoluene	BSP	REC	114	%	79-122
VJ5212-BS	106-43-4	p-Chlorotoluene	BSP	REC	111	%	78-122
VJ5212-BS	124-48-1	Dibromochloromethane	BSP	REC	101	%	74-126
VJ5212-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	84	%	62-128
VJ5212-BS	106-93-4	1,2-Dibromoethane	BSP	REC	102	%	77-121
VJ5212-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	110	%	32-152
VJ5212-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	108	%	80-119
VJ5212-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	115	%	80-119
VJ5212-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	108	%	79-118
VJ5212-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	77-125
VJ5212-BS	107-06-2	1,2-Dichloroethane	BSP	REC	98	%	73-128
VJ5212-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	117	%	71-131
VJ5212-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	105	%	78-123
VJ5212-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	120	%	75-124
VJ5212-BS	78-87-5	1,2-Dichloropropane	BSP	REC	106	%	78-122

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5212-BS	142-28-9	1,3-Dichloropropane	BSP	REC	97	%	80-119
VJ5212-BS	594-20-7	2,2-Dichloropropane	BSP	REC	112	%	60-139
VJ5212-BS	563-58-6	1,1-Dichloropropene	BSP	REC	109	%	79-125
VJ5212-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	102	%	75-124
VJ5212-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	116	%	73-127
VJ5212-BS	100-41-4	Ethylbenzene	BSP	REC	104	%	79-121
VJ5212-BS	87-68-3	Hexachlorobutadiene	BSP	REC	101	%	66-134
VJ5212-BS	591-78-6	2-Hexanone	BSP	REC	98	%	57-139
VJ5212-BS	98-82-8	Isopropylbenzene	BSP	REC	106	%	72-131
VJ5212-BS	99-87-6	p-Isopropyltoluene	BSP	REC	103	%	77-127
VJ5212-BS	74-83-9	Methyl Bromide	BSP	REC	98	%	53-141
VJ5212-BS	74-87-3	Methyl Chloride	BSP	REC	96	%	50-139
VJ5212-BS	74-88-4	Methyl Iodide	BSP	REC	124	%	69-131
VJ5212-BS	74-95-3	Methylene Bromide	BSP	REC	103	%	79-123
VJ5212-BS	75-09-2	Methylene Chloride	BSP	REC	92	%	74-124
VJ5212-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	92	%	67-130
VJ5212-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	105	%	71-124
VJ5212-BS	91-20-3	Naphthalene	BSP	REC	94	%	61-128
VJ5212-BS	103-65-1	n-Propylbenzene	BSP	REC	125	%	76-126
VJ5212-BS	100-42-5	Styrene	BSP	REC	112	%	78-123
VJ5212-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	111	%	78-124
VJ5212-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	93	%	71-121
VJ5212-BS	127-18-4	Tetrachloroethylene	BSP	REC	105	%	74-129
VJ5212-BS	108-88-3	Toluene	BSP	REC	107	%	80-121
VJ5212-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	96	%	69-129
VJ5212-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	69-130
VJ5212-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	108	%	74-131
VJ5212-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	101	%	80-119
VJ5212-BS	79-01-6	Trichloroethylene	BSP	REC	114	%	79-123
VJ5212-BS	75-69-4	Trichlorofluoromethane	BSP	REC	103	%	65-141
VJ5212-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	92	%	73-122
VJ5212-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	114	%	76-124
VJ5212-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	114	%	75-124
VJ5212-BS	108-05-4	Vinyl Acetate	BSP	REC	100	%	54-146
VJ5212-BS	75-01-4	Vinyl Chloride	BSP	REC	99	%	58-137
VJ5212-BS		m,p-Xylene	BSP	REC	106	%	80-121
VJ5212-BS	95-47-6	o-Xylene	BSP	REC	112	%	78-122
VJ5212-BS	1330-20-7	Xylene (total)	BSP	REC	108	%	79-121
VJ5212-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5212-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	96	%	81-118
VJ5212-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112
VJ5212-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
FA31418-34AMS*	67-64-1	Acetone	MS	REC	82	%	39-160
FA31418-34AMS*	71-43-2	Benzene	MS	REC	106	%	79-120
FA31418-34AMS*	108-86-1	Bromobenzene	MS	REC	102	%	80-120

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMS*	74-97-5	Bromochloromethane	MS	REC	109	%	78-123
FA31418-34AMS*	75-27-4	Bromodichloromethane	MS	REC	94	%	79-125
FA31418-34AMS*	75-25-2	Bromoform	MS	REC	52 [a]	%	66-130
FA31418-34AMS*	78-93-3	2-Butanone (MEK)	MS	REC	82	%	56-143
FA31418-34AMS*	104-51-8	n-Butylbenzene	MS	REC	104	%	75-128
FA31418-34AMS*	135-98-8	sec-Butylbenzene	MS	REC	114	%	77-126
FA31418-34AMS*	98-06-6	tert-Butylbenzene	MS	REC	103	%	78-124
FA31418-34AMS*	75-15-0	Carbon Disulfide	MS	REC	105	%	64-133
FA31418-34AMS*	56-23-5	Carbon Tetrachloride	MS	REC	105	%	72-136
FA31418-34AMS*	108-90-7	Chlorobenzene	MS	REC	101	%	82-118
FA31418-34AMS*	75-00-3	Chloroethane	MS	REC	105	%	60-138
FA31418-34AMS*	67-66-3	Chloroform	MS	REC	107	%	79-124
FA31418-34AMS*	95-49-8	o-Chlorotoluene	MS	REC	106	%	79-122
FA31418-34AMS*	106-43-4	p-Chlorotoluene	MS	REC	102	%	78-122
FA31418-34AMS*	124-48-1	Dibromochloromethane	MS	REC	72 [a]	%	74-126
FA31418-34AMS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	70	%	62-128
FA31418-34AMS*	106-93-4	1,2-Dibromoethane	MS	REC	93	%	77-121
FA31418-34AMS*	75-71-8	Dichlorodifluoromethane	MS	REC	96	%	32-152
FA31418-34AMS*	95-50-1	1,2-Dichlorobenzene	MS	REC	101	%	80-119
FA31418-34AMS*	541-73-1	1,3-Dichlorobenzene	MS	REC	106	%	80-119
FA31418-34AMS*	106-46-7	1,4-Dichlorobenzene	MS	REC	100	%	79-118
FA31418-34AMS*	75-34-3	1,1-Dichloroethane	MS	REC	108	%	77-125
FA31418-34AMS*	107-06-2	1,2-Dichloroethane	MS	REC	92	%	73-128
FA31418-34AMS*	75-35-4	1,1-Dichloroethylene	MS	REC	158 [a]	%	71-131
FA31418-34AMS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	-360 [b]	%	78-123
FA31418-34AMS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
FA31418-34AMS*	78-87-5	1,2-Dichloropropane	MS	REC	100	%	78-122
FA31418-34AMS*	142-28-9	1,3-Dichloropropane	MS	REC	90	%	80-119
FA31418-34AMS*	594-20-7	2,2-Dichloropropane	MS	REC	94	%	60-139
FA31418-34AMS*	563-58-6	1,1-Dichloropropene	MS	REC	101	%	79-125
FA31418-34AMS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	82	%	75-124
FA31418-34AMS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	94	%	73-127
FA31418-34AMS*	100-41-4	Ethylbenzene	MS	REC	98	%	79-121
FA31418-34AMS*	87-68-3	Hexachlorobutadiene	MS	REC	85	%	66-134
FA31418-34AMS*	591-78-6	2-Hexanone	MS	REC	88	%	57-139
FA31418-34AMS*	98-82-8	Isopropylbenzene	MS	REC	97	%	72-131
FA31418-34AMS*	99-87-6	p-Isopropyltoluene	MS	REC	94	%	77-127
FA31418-34AMS*	74-83-9	Methyl Bromide	MS	REC	96	%	53-141
FA31418-34AMS*	74-87-3	Methyl Chloride	MS	REC	86	%	50-139
FA31418-34AMS*	74-88-4	Methyl Iodide	MS	REC	106	%	69-131
FA31418-34AMS*	74-95-3	Methylene Bromide	MS	REC	103	%	79-123
FA31418-34AMS*	75-09-2	Methylene Chloride	MS	REC	-479 [b]	%	74-124
FA31418-34AMS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	93	%	67-130
FA31418-34AMS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	92	%	71-124
FA31418-34AMS*	91-20-3	Naphthalene	MS	REC	80	%	61-128

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMS*	103-65-1	n-Propylbenzene	MS	REC	115	%	76-126
FA31418-34AMS*	100-42-5	Styrene	MS	REC	70 [a]	%	78-123
FA31418-34AMS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	103	%	78-124
FA31418-34AMS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	85	%	71-121
FA31418-34AMS*	127-18-4	Tetrachloroethylene	MS	REC	104	%	74-129
FA31418-34AMS*	108-88-3	Toluene	MS	REC	101	%	80-121
FA31418-34AMS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	81	%	69-129
FA31418-34AMS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	84	%	69-130
FA31418-34AMS*	71-55-6	1,1,1-Trichloroethane	MS	REC	97	%	74-131
FA31418-34AMS*	79-00-5	1,1,2-Trichloroethane	MS	REC	99	%	80-119
FA31418-34AMS*	79-01-6	Trichloroethylene	MS	REC	-308 [b]	%	79-123
FA31418-34AMS*	75-69-4	Trichlorofluoromethane	MS	REC	100	%	65-141
FA31418-34AMS*	96-18-4	1,2,3-Trichloropropane	MS	REC	84	%	73-122
FA31418-34AMS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	103	%	76-124
FA31418-34AMS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	104	%	75-124
FA31418-34AMS*	108-05-4	Vinyl Acetate	MS	REC	94	%	54-146
FA31418-34AMS*	75-01-4	Vinyl Chloride	MS	REC	115	%	58-137
FA31418-34AMS*		m,p-Xylene	MS	REC	99	%	80-121
FA31418-34AMS*	95-47-6	o-Xylene	MS	REC	103	%	78-122
FA31418-34AMS*	1330-20-7	Xylene (total)	MS	REC	100	%	79-121
FA31418-34AMS*	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
FA31418-34AMS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	94	%	81-118
FA31418-34AMS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FA31418-34AMS*	460-00-4	4-Bromofluorobenzene	MS	SURR	95	%	85-114
FA31418-34AMSD*	67-64-1	Acetone	MSD	REC	87	%	39-160
FA31418-34AMSD*	67-64-1	Acetone	MSD	RPD	7	%	20
FA31418-34AMSD*	71-43-2	Benzene	MSD	REC	105	%	79-120
FA31418-34AMSD*	71-43-2	Benzene	MSD	RPD	2	%	20
FA31418-34AMSD*	108-86-1	Bromobenzene	MSD	REC	103	%	80-120
FA31418-34AMSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	74-97-5	Bromochloromethane	MSD	REC	108	%	78-123
FA31418-34AMSD*	74-97-5	Bromochloromethane	MSD	RPD	1	%	20
FA31418-34AMSD*	75-27-4	Bromodichloromethane	MSD	REC	94	%	79-125
FA31418-34AMSD*	75-27-4	Bromodichloromethane	MSD	RPD	1	%	20
FA31418-34AMSD*	75-25-2	Bromoform	MSD	REC	67	%	66-130
FA31418-34AMSD*	75-25-2	Bromoform	MSD	RPD	24 [a]	%	20
FA31418-34AMSD*	78-93-3	2-Butanone (MEK)	MSD	REC	88	%	56-143
FA31418-34AMSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	8	%	20
FA31418-34AMSD*	104-51-8	n-Butylbenzene	MSD	REC	103	%	75-128
FA31418-34AMSD*	104-51-8	n-Butylbenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	135-98-8	sec-Butylbenzene	MSD	REC	113	%	77-126
FA31418-34AMSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	98-06-6	tert-Butylbenzene	MSD	REC	103	%	78-124
FA31418-34AMSD*	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	75-15-0	Carbon Disulfide	MSD	REC	102	%	64-133

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMSD*	75-15-0	Carbon Disulfide	MSD	RPD	3	%	20
FA31418-34AMSD*	56-23-5	Carbon Tetrachloride	MSD	REC	94	%	72-136
FA31418-34AMSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	10	%	20
FA31418-34AMSD*	108-90-7	Chlorobenzene	MSD	REC	98	%	82-118
FA31418-34AMSD*	108-90-7	Chlorobenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	75-00-3	Chloroethane	MSD	REC	90	%	60-138
FA31418-34AMSD*	75-00-3	Chloroethane	MSD	RPD	15	%	20
FA31418-34AMSD*	67-66-3	Chloroform	MSD	REC	106	%	79-124
FA31418-34AMSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FA31418-34AMSD*	95-49-8	o-Chlorotoluene	MSD	REC	104	%	79-122
FA31418-34AMSD*	95-49-8	o-Chlorotoluene	MSD	RPD	1	%	20
FA31418-34AMSD*	106-43-4	p-Chlorotoluene	MSD	REC	103	%	78-122
FA31418-34AMSD*	106-43-4	p-Chlorotoluene	MSD	RPD	1	%	20
FA31418-34AMSD*	124-48-1	Dibromochloromethane	MSD	REC	78	%	74-126
FA31418-34AMSD*	124-48-1	Dibromochloromethane	MSD	RPD	9	%	20
FA31418-34AMSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	75	%	62-128
FA31418-34AMSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	7	%	20
FA31418-34AMSD*	106-93-4	1,2-Dibromoethane	MSD	REC	95	%	77-121
FA31418-34AMSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	2	%	20
FA31418-34AMSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	95	%	32-152
FA31418-34AMSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FA31418-34AMSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	101	%	80-119
FA31418-34AMSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	106	%	80-119
FA31418-34AMSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	100	%	79-118
FA31418-34AMSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	75-34-3	1,1-Dichloroethane	MSD	REC	105	%	77-125
FA31418-34AMSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	3	%	20
FA31418-34AMSD*	107-06-2	1,2-Dichloroethane	MSD	REC	92	%	73-128
FA31418-34AMSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FA31418-34AMSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	156 [a]	%	71-131
FA31418-34AMSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FA31418-34AMSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	-440 [b]	%	78-123
FA31418-34AMSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	2	%	20
FA31418-34AMSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	117	%	75-124
FA31418-34AMSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FA31418-34AMSD*	78-87-5	1,2-Dichloropropane	MSD	REC	102	%	78-122
FA31418-34AMSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
FA31418-34AMSD*	142-28-9	1,3-Dichloropropane	MSD	REC	90	%	80-119
FA31418-34AMSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
FA31418-34AMSD*	594-20-7	2,2-Dichloropropane	MSD	REC	93	%	60-139
FA31418-34AMSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA31418-34AMSD*	563-58-6	1,1-Dichloropropene	MSD	REC	99	%	79-125
FA31418-34AMSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	77	%	75-124
FA31418-34AMSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	7	%	20
FA31418-34AMSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	86	%	73-127
FA31418-34AMSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	8	%	20
FA31418-34AMSD*	100-41-4	Ethylbenzene	MSD	REC	96	%	79-121
FA31418-34AMSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	87-68-3	Hexachlorobutadiene	MSD	REC	88	%	66-134
FA31418-34AMSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	4	%	20
FA31418-34AMSD*	591-78-6	2-Hexanone	MSD	REC	93	%	57-139
FA31418-34AMSD*	591-78-6	2-Hexanone	MSD	RPD	5	%	20
FA31418-34AMSD*	98-82-8	Isopropylbenzene	MSD	REC	95	%	72-131
FA31418-34AMSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	99-87-6	p-Isopropyltoluene	MSD	REC	93	%	77-127
FA31418-34AMSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	2	%	20
FA31418-34AMSD*	74-83-9	Methyl Bromide	MSD	REC	87	%	53-141
FA31418-34AMSD*	74-83-9	Methyl Bromide	MSD	RPD	9	%	20
FA31418-34AMSD*	74-87-3	Methyl Chloride	MSD	REC	83	%	50-139
FA31418-34AMSD*	74-87-3	Methyl Chloride	MSD	RPD	3	%	20
FA31418-34AMSD*	74-88-4	Methyl Iodide	MSD	REC	110	%	69-131
FA31418-34AMSD*	74-88-4	Methyl Iodide	MSD	RPD	4	%	20
FA31418-34AMSD*	74-95-3	Methylene Bromide	MSD	REC	101	%	79-123
FA31418-34AMSD*	74-95-3	Methylene Bromide	MSD	RPD	2	%	20
FA31418-34AMSD*	75-09-2	Methylene Chloride	MSD	REC	-479 [b]	%	74-124
FA31418-34AMSD*	75-09-2	Methylene Chloride	MSD	RPD	0	%	20
FA31418-34AMSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	97	%	67-130
FA31418-34AMSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	4	%	20
FA31418-34AMSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
FA31418-34AMSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	3	%	20
FA31418-34AMSD*	91-20-3	Naphthalene	MSD	REC	88	%	61-128
FA31418-34AMSD*	91-20-3	Naphthalene	MSD	RPD	9	%	20
FA31418-34AMSD*	103-65-1	n-Propylbenzene	MSD	REC	114	%	76-126
FA31418-34AMSD*	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	100-42-5	Styrene	MSD	REC	74 [a]	%	78-123
FA31418-34AMSD*	100-42-5	Styrene	MSD	RPD	4	%	20
FA31418-34AMSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	100	%	78-124
FA31418-34AMSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	3	%	20
FA31418-34AMSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	88	%	71-121
FA31418-34AMSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA31418-34AMSD*	127-18-4	Tetrachloroethylene	MSD	REC	98	%	74-129
FA31418-34AMSD*	127-18-4	Tetrachloroethylene	MSD	RPD	6	%	20
FA31418-34AMSD*	108-88-3	Toluene	MSD	REC	99	%	80-121
FA31418-34AMSD*	108-88-3	Toluene	MSD	RPD	2	%	20
FA31418-34AMSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	90	%	69-129
FA31418-34AMSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	10	%	20
FA31418-34AMSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	90	%	69-130

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA31418-34AMSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	96	%	74-131
FA31418-34AMSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA31418-34AMSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	97	%	80-119
FA31418-34AMSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	2	%	20
FA31418-34AMSD*	79-01-6	Trichloroethylene	MSD	REC	-356 [b]	%	79-123
FA31418-34AMSD*	79-01-6	Trichloroethylene	MSD	RPD	3	%	20
FA31418-34AMSD*	75-69-4	Trichlorofluoromethane	MSD	REC	96	%	65-141
FA31418-34AMSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	3	%	20
FA31418-34AMSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	88	%	73-122
FA31418-34AMSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	6	%	20
FA31418-34AMSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	101	%	76-124
FA31418-34AMSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	102	%	75-124
FA31418-34AMSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	3	%	20
FA31418-34AMSD*	108-05-4	Vinyl Acetate	MSD	REC	97	%	54-146
FA31418-34AMSD*	108-05-4	Vinyl Acetate	MSD	RPD	3	%	20
FA31418-34AMSD*	75-01-4	Vinyl Chloride	MSD	REC	111	%	58-137
FA31418-34AMSD*	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA31418-34AMSD*		m,p-Xylene	MSD	REC	96	%	80-121
FA31418-34AMSD*		m,p-Xylene	MSD	RPD	3	%	20
FA31418-34AMSD*	95-47-6	o-Xylene	MSD	REC	101	%	78-122
FA31418-34AMSD*	95-47-6	o-Xylene	MSD	RPD	2	%	20
FA31418-34AMSD*	1330-20-7	Xylene (total)	MSD	REC	98	%	79-121
FA31418-34AMSD*	1330-20-7	Xylene (total)	MSD	RPD	3	%	20
FA31418-34AMSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FA31418-34AMSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	92	%	81-118
FA31418-34AMSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FA31418-34AMSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
VJ5212-MB	1868-53-7	Dibromofluoromethane	MB	SURR	98	%	80-119
VJ5212-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	94	%	81-118
VJ5212-MB	2037-26-5	Toluene-D8	MB	SURR	103	%	89-112
VJ5212-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	104	%	85-114
MC44300-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44300-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	94	%	81-118
MC44300-4	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44300-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
MC44300-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44300-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
MC44300-5	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
MC44300-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
MC44300-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44300-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	94	%	81-118
MC44300-6	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44300-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	106	%	85-114

* Sample used for QC is not from job MC44300

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

(a) Outside DOD QSM control limits.
(b) Outside control limits due to high level in sample relative to spike amount.

* Sample used for QC is not from job MC44300

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-MB	J0974370.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-MB	J0974370.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-MB	J0974370.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	106%	83-118%

Method Blank Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-MB	J0974457.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-MB	J0974457.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-MB	J0974457.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	103%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

Blank Spike Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-BS	J0974369.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	135	108	50-147
71-43-2	Benzene	25	25.0	100	81-122
108-86-1	Bromobenzene	25	25.1	100	80-121
74-97-5	Bromochloromethane	25	26.3	105	76-123
75-27-4	Bromodichloromethane	25	25.7	103	79-123
75-25-2	Bromoform	25	22.7	91	66-123
78-93-3	2-Butanone (MEK)	125	112	90	56-143
104-51-8	n-Butylbenzene	25	26.9	108	79-126
135-98-8	sec-Butylbenzene	25	28.9	116	83-133
98-06-6	tert-Butylbenzene	25	26.7	107	80-133
75-15-0	Carbon Disulfide	25	28.9	116	66-148
56-23-5	Carbon Tetrachloride	25	25.8	103	76-136
108-90-7	Chlorobenzene	25	24.8	99	82-124
75-00-3	Chloroethane	25	24.1	96	62-144
67-66-3	Chloroform	25	25.8	103	80-124
95-49-8	o-Chlorotoluene	25	26.5	106	81-127
106-43-4	p-Chlorotoluene	25	26.5	106	83-130
124-48-1	Dibromochloromethane	25	23.3	93	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	18.9	76	64-123
106-93-4	1,2-Dibromoethane	25	23.4	94	75-120
75-71-8	Dichlorodifluoromethane	25	19.8	79	42-167
95-50-1	1,2-Dichlorobenzene	25	25.0	100	82-124
541-73-1	1,3-Dichlorobenzene	25	26.8	107	84-125
106-46-7	1,4-Dichlorobenzene	25	25.1	100	78-120
75-34-3	1,1-Dichloroethane	25	25.5	102	81-122
107-06-2	1,2-Dichloroethane	25	22.9	92	75-125
75-35-4	1,1-Dichloroethylene	25	27.4	110	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.3	109	76-127
78-87-5	1,2-Dichloropropane	25	24.6	98	76-124
142-28-9	1,3-Dichloropropane	25	22.5	90	80-118
594-20-7	2,2-Dichloropropane	25	26.3	105	74-139
563-58-6	1,1-Dichloropropene	25	25.7	103	79-131
10061-01-5	cis-1,3-Dichloropropene	25	23.7	95	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	80-120
100-41-4	Ethylbenzene	25	24.3	97	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-BS	J0974369.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	23.0	92	75-142
591-78-6	2-Hexanone	125	113	90	61-129
98-82-8	Isopropylbenzene	25	24.9	100	83-132
99-87-6	p-Isopropyltoluene	25	24.2	97	79-130
74-83-9	Methyl Bromide	25	23.8	95	59-143
74-87-3	Methyl Chloride	25	21.3	85	50-159
74-88-4	Methyl Iodide	25	27.0	108	73-123
74-95-3	Methylene Bromide	25	24.1	96	78-119
75-09-2	Methylene Chloride	25	21.9	88	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	114	91	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.7	95	72-117
91-20-3	Naphthalene	25	19.4	78	63-132
103-65-1	n-Propylbenzene	25	29.2	117	82-133
100-42-5	Styrene	25	26.5	106	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.9	104	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.2	85	72-120
127-18-4	Tetrachloroethylene	25	24.9	100	76-135
108-88-3	Toluene	25	25.1	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	20.7	83	68-131
120-82-1	1,2,4-Trichlorobenzene	25	22.3	89	73-129
71-55-6	1,1,1-Trichloroethane	25	24.5	98	75-130
79-00-5	1,1,2-Trichloroethane	25	22.9	92	76-119
79-01-6	Trichloroethylene	25	26.6	106	81-126
75-69-4	Trichlorofluoromethane	25	24.0	96	71-156
96-18-4	1,2,3-Trichloropropane	25	20.8	83	77-120
95-63-6	1,2,4-Trimethylbenzene	25	26.6	106	79-120
108-67-8	1,3,5-Trimethylbenzene	25	26.7	107	79-120
108-05-4	Vinyl Acetate	125	102	82	43-154
75-01-4	Vinyl Chloride	25	23.5	94	69-159
	m,p-Xylene	50	49.7	99	79-126
95-47-6	o-Xylene	25	26.5	106	80-127
1330-20-7	Xylene (total)	75	76.2	102	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-BS	J0974369.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-BS	J0974456.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	50-147
71-43-2	Benzene	25	27.5	110	81-122
108-86-1	Bromobenzene	25	27.2	109	80-121
74-97-5	Bromochloromethane	25	28.7	115	76-123
75-27-4	Bromodichloromethane	25	27.2	109	79-123
75-25-2	Bromoform	25	24.5	98	66-123
78-93-3	2-Butanone (MEK)	125	118	94	56-143
104-51-8	n-Butylbenzene	25	29.2	117	79-126
135-98-8	sec-Butylbenzene	25	30.9	124	83-133
98-06-6	tert-Butylbenzene	25	27.9	112	80-133
75-15-0	Carbon Disulfide	25	32.0	128	66-148
56-23-5	Carbon Tetrachloride	25	28.0	112	76-136
108-90-7	Chlorobenzene	25	26.6	106	82-124
75-00-3	Chloroethane	25	26.0	104	62-144
67-66-3	Chloroform	25	28.0	112	80-124
95-49-8	o-Chlorotoluene	25	28.4	114	81-127
106-43-4	p-Chlorotoluene	25	27.7	111	83-130
124-48-1	Dibromochloromethane	25	25.2	101	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	20.9	84	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
75-71-8	Dichlorodifluoromethane	25	27.5	110	42-167
95-50-1	1,2-Dichlorobenzene	25	26.9	108	82-124
541-73-1	1,3-Dichlorobenzene	25	28.8	115	84-125
106-46-7	1,4-Dichlorobenzene	25	26.9	108	78-120
75-34-3	1,1-Dichloroethane	25	27.8	111	81-122
107-06-2	1,2-Dichloroethane	25	24.6	98	75-125
75-35-4	1,1-Dichloroethylene	25	29.3	117	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.2	105	78-120
156-60-5	trans-1,2-Dichloroethylene	25	30.0	120	76-127
78-87-5	1,2-Dichloropropane	25	26.5	106	76-124
142-28-9	1,3-Dichloropropane	25	24.2	97	80-118
594-20-7	2,2-Dichloropropane	25	28.0	112	74-139
563-58-6	1,1-Dichloropropene	25	27.3	109	79-131
10061-01-5	cis-1,3-Dichloropropene	25	25.4	102	75-118
10061-02-6	trans-1,3-Dichloropropene	25	29.0	116	80-120
100-41-4	Ethylbenzene	25	26.0	104	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-BS	J0974456.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	25.2	101	75-142
591-78-6	2-Hexanone	125	122	98	61-129
98-82-8	Isopropylbenzene	25	26.5	106	83-132
99-87-6	p-Isopropyltoluene	25	25.8	103	79-130
74-83-9	Methyl Bromide	25	24.4	98	59-143
74-87-3	Methyl Chloride	25	23.9	96	50-159
74-88-4	Methyl Iodide	25	31.1	124*	73-123
74-95-3	Methylene Bromide	25	25.7	103	78-119
75-09-2	Methylene Chloride	25	22.9	92	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	115	92	66-122
1634-04-4	Methyl Tert Butyl Ether	25	26.3	105	72-117
91-20-3	Naphthalene	25	23.6	94	63-132
103-65-1	n-Propylbenzene	25	31.3	125	82-133
100-42-5	Styrene	25	27.9	112	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.7	111	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	72-120
127-18-4	Tetrachloroethylene	25	26.3	105	76-135
108-88-3	Toluene	25	26.8	107	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.1	96	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.1	100	73-129
71-55-6	1,1,1-Trichloroethane	25	26.9	108	75-130
79-00-5	1,1,2-Trichloroethane	25	25.3	101	76-119
79-01-6	Trichloroethylene	25	28.6	114	81-126
75-69-4	Trichlorofluoromethane	25	25.8	103	71-156
96-18-4	1,2,3-Trichloropropane	25	22.9	92	77-120
95-63-6	1,2,4-Trimethylbenzene	25	28.5	114	79-120
108-67-8	1,3,5-Trimethylbenzene	25	28.5	114	79-120
108-05-4	Vinyl Acetate	125	125	100	43-154
75-01-4	Vinyl Chloride	25	24.7	99	69-159
	m,p-Xylene	50	53.2	106	79-126
95-47-6	o-Xylene	25	28.1	112	80-127
1330-20-7	Xylene (total)	75	81.3	108	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-BS	J0974456.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44300-2MS	J0974386.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44300-2MSD	J0974387.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44300-2	J0974377.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Compound	MC44300-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	106	85	125	110	88	4	50-147/21
71-43-2	Benzene	1.0 U		25	26.3	105	25	25.4	102	3	81-122/14
108-86-1	Bromobenzene	1.0 U		25	26.2	105	25	25.6	102	2	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	27.7	111	25	26.8	107	3	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	25.3	101	25	24.4	98	4	79-123/19
75-25-2	Bromoform	1.0 U		25	19.9	80	25	20.1	80	1	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	108	86	125	111	89	3	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	27.3	109	25	26.8	107	2	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	29.5	118	25	29.1	116	1	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	26.8	107	25	26.7	107	0	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	28.0	112	25	26.7	107	5	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	25.9	104	25	24.5	98	6	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	25.7	103	25	24.8	99	4	82-124/14
75-00-3	Chloroethane	2.0 U		25	26.3	105	25	22.9	92	14	62-144/20
67-66-3	Chloroform	1.0 U		25	26.6	106	25	25.8	103	3	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	26.9	108	25	26.2	105	3	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	26.9	108	25	26.3	105	2	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	21.8	87	25	21.5	86	1	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	20.9	84	25	21.5	86	3	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	24.4	98	25	24.4	98	0	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	20.5	82	25	20.0	80	2	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	26.1	104	25	26.0	104	0	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	27.2	109	25	27.1	108	0	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	26.1	104	25	25.6	102	2	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	26.5	106	25	25.6	102	3	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	24.2	97	25	23.8	95	2	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	27.9	112	25	27.3	109	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.6	98	25	24.5	98	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.3	113	25	27.1	108	4	76-127/17
78-87-5	1,2-Dichloropropane	1.0 U		25	25.5	102	25	25.4	102	0	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.4	94	25	23.3	93	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	24.2	97	25	24.1	96	0	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.4	106	25	25.4	102	4	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.3	89	25	21.5	86	4	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.5	106	25	25.2	101	5	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	24.8	99	25	24.4	98	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44300-2MS	J0974386.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44300-2MSD	J0974387.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44300-2	J0974377.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Compound	MC44300-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	22.1	88	25	23.3	93	5	75-142/19
591-78-6	2-Hexanone	10 U		125	123	98	125	128	102	4	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	25.0	100	25	24.7	99	1	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	24.4	98	25	24.1	96	1	79-130/16
74-83-9	Methyl Bromide	2.0 U		25	26.0	104	25	23.7	95	9	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	22.7	91	25	21.9	88	4	50-159/19
74-88-4	Methyl Iodide	1.0 U		25	27.9	112	25	28.6	114	2	73-123/16
74-95-3	Methylene Bromide	2.0 U		25	25.6	102	25	24.9	100	3	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	22.4	90	25	21.7	87	3	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	128	102	125	130	104	2	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	25.8	103	25	25.8	103	0	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.0	88	25	23.1	92	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	29.6	118	25	29.0	116	2	82-133/15
100-42-5	Styrene	1.0 U		25	20.4	82	25	22.6	90	10	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	27.3	109	25	26.1	104	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.9	92	25	23.3	93	2	72-120/14
127-18-4	Tetrachloroethylene	2.3		25	26.7	98	25	26.2	96	2	76-135/16
108-88-3	Toluene	1.0 U		25	24.8	99	25	24.7	99	0	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	21.1	84	25	22.4	90	6	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	23.1	92	25	23.5	94	2	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.9	100	25	24.4	98	2	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.5	98	25	24.3	97	1	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	28.2	113	25	27.9	112	1	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	25.2	101	25	23.7	95	6	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	22.9	92	25	23.6	94	3	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	24.2	97	25	25.1	100	4	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	25.5	102	25	26.3	105	3	79-120/19
108-05-4	Vinyl Acetate	10 U		125	91.8	73	125	91.4	73	0	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.2	101	25	24.3	97	4	69-159/18
	m,p-Xylene	2.0 U		50	49.4	99	50	49.3	99	0	79-126/15
95-47-6	o-Xylene	1.0 U		25	26.3	105	25	26.3	105	0	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	75.6	101	75	75.6	101	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44300-2MS	J0974386.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44300-2MSD	J0974387.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44300-2	J0974377.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-1, MC44300-2, MC44300-3, MC44300-5, MC44300-6, MC44300-7, MC44300-8, MC44300-9, MC44300-10

CAS No.	Surrogate Recoveries	MS	MSD	MC44300-2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	92%	97%	79-125%
2037-26-5	Toluene-D8	95%	96%	104%	85-112%
460-00-4	4-Bromofluorobenzene	97%	96%	107%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31418-34AMS	J0974479.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34AMSD	J0974480.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34A	J0974474.D	50	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Compound	FA31418-34A ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	102	82	125	109	87	7	50-147/21
71-43-2	Benzene	ND		25	26.6	106	25	26.2	105	2	81-122/14
108-86-1	Bromobenzene	ND		25	25.4	102	25	25.7	103	1	80-121/14
74-97-5	Bromochloromethane	ND		25	27.2	109	25	26.9	108	1	76-123/14
75-27-4	Bromodichloromethane	ND		25	23.4	94	25	23.6	94	1	79-123/19
75-25-2	Bromoform	ND		25	13.1	52* [a]	25	16.7	67	24* [a]	66-123/21
78-93-3	2-Butanone (MEK)	ND		125	102	82	125	110	88	8	56-143/18
104-51-8	n-Butylbenzene	ND		25	26.0	104	25	25.7	103	1	79-126/16
135-98-8	sec-Butylbenzene	ND		25	28.5	114	25	28.2	113	1	83-133/16
98-06-6	tert-Butylbenzene	ND		25	25.7	103	25	25.8	103	0	80-133/16
75-15-0	Carbon Disulfide	ND		25	26.3	105	25	25.4	102	3	66-148/23
56-23-5	Carbon Tetrachloride	ND		25	26.2	105	25	23.6	94	10	76-136/23
108-90-7	Chlorobenzene	ND		25	25.2	101	25	24.6	98	2	82-124/14
75-00-3	Chloroethane	ND		25	26.3	105	25	22.6	90	15	62-144/20
67-66-3	Chloroform	ND		25	26.7	107	25	26.5	106	1	80-124/15
95-49-8	o-Chlorotoluene	ND		25	26.4	106	25	26.1	104	1	81-127/15
106-43-4	p-Chlorotoluene	ND		25	25.5	102	25	25.8	103	1	83-130/15
124-48-1	Dibromochloromethane	ND		25	18.0	72* [a]	25	19.6	78	9	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	17.6	70	25	18.8	75	7	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	23.3	93	25	23.8	95	2	75-120/13
75-71-8	Dichlorodifluoromethane	ND		25	24.0	96	25	23.8	95	1	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		25	25.3	101	25	25.3	101	0	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		25	26.4	106	25	26.5	106	0	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		25	25.1	100	25	25.1	100	0	78-120/15
75-34-3	1,1-Dichloroethane	ND		25	27.0	108	25	26.3	105	3	81-122/15
107-06-2	1,2-Dichloroethane	ND		25	22.9	92	25	23.0	92	0	75-125/14
75-35-4	1,1-Dichloroethylene	ND		25	39.5	158* [a]	25	38.9	156* [a]	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1240		25	1150	-360* [b]	25	1130	-440* [b]	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.3	117	25	29.2	117	0	76-127/17
78-87-5	1,2-Dichloropropane	ND		25	24.9	100	25	25.4	102	2	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	22.6	90	25	22.6	90	0	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	23.5	94	25	23.2	93	1	74-139/17
563-58-6	1,1-Dichloropropene	ND		25	25.2	101	25	24.8	99	2	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		25	20.5	82	25	19.2	77	7	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.4	94	25	21.5	86	8	80-120/22
100-41-4	Ethylbenzene	ND		25	24.5	98	25	23.9	96	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31418-34AMS	J0974479.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34AMSD	J0974480.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34A	J0974474.D	50	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Compound	FA31418-34A ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	ND		25	21.2	85	25	22.0	88	4	75-142/19
591-78-6	2-Hexanone	ND		125	110	88	125	116	93	5	61-129/18
98-82-8	Isopropylbenzene	ND		25	24.2	97	25	23.7	95	2	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	23.6	94	25	23.2	93	2	79-130/16
74-83-9	Methyl Bromide	ND		25	23.9	96	25	21.8	87	9	59-143/19
74-87-3	Methyl Chloride	ND		25	21.5	86	25	20.8	83	3	50-159/19
74-88-4	Methyl Iodide	ND		25	26.4	106	25	27.4	110	4	73-123/16
74-95-3	Methylene Bromide	ND		25	25.8	103	25	25.2	101	2	78-119/14
75-09-2	Methylene Chloride	142		25	22.2	-479* [b]	25	22.2	-479* [b]	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		125	116	93	125	121	97	4	66-122/16
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.9	92	25	23.6	94	3	72-117/14
91-20-3	Naphthalene	ND		25	20.1	80	25	21.9	88	9	63-132/25
103-65-1	n-Propylbenzene	ND		25	28.7	115	25	28.4	114	1	82-133/15
100-42-5	Styrene	ND		25	17.6	70* [a]	25	18.4	74* [a]	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.7	103	25	24.9	100	3	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	21.3	85	25	22.1	88	4	72-120/14
127-18-4	Tetrachloroethylene	ND		25	26.0	104	25	24.6	98	6	76-135/16
108-88-3	Toluene	ND		25	25.2	101	25	24.7	99	2	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	20.2	81	25	22.4	90	10	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		25	21.1	84	25	22.4	90	6	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		25	24.2	97	25	23.9	96	1	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		25	24.8	99	25	24.3	97	2	76-119/14
79-01-6	Trichloroethylene	497		25	420	-308* [b]	25	408	-356* [b]	3	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	24.9	100	25	24.1	96	3	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		25	20.9	84	25	22.1	88	6	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.7	103	25	25.3	101	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	25	25.4	102	3	79-120/19
108-05-4	Vinyl Acetate	ND		125	118	94	125	121	97	3	43-154/14
75-01-4	Vinyl Chloride	ND		25	28.8	115	25	27.8	111	4	69-159/18
	m,p-Xylene	ND		50	49.4	99	50	48.1	96	3	79-126/15
95-47-6	o-Xylene	ND		25	25.8	103	25	25.2	101	2	80-127/14
1330-20-7	Xylene (total)	ND		75	75.2	100	75	73.3	98	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31418-34AMS	J0974479.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34AMSD	J0974480.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34A	J0974474.D	50	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44300-4, MC44300-5, MC44300-6

CAS No.	Surrogate Recoveries	MS	MSD	FA31418-34A	Limits
1868-53-7	Dibromofluoromethane	102%	101%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	92%	93%	79-125%
2037-26-5	Toluene-D8	98%	97%	105%	85-112%
460-00-4	4-Bromofluorobenzene	95%	96%	103%	83-118%

(a) Outside DOD QSM control limits.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44300
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44300-1	J0974376.D	99	99	104	106
MC44300-2	J0974377.D	97	97	104	107
MC44300-3	J0974378.D	97	99	105	107
MC44300-4	J0974458.D	97	94	104	105
MC44300-5	J0974459.D	97	95	101	105
MC44300-5	J0974380.D	100	99	93	105
MC44300-6	J0974460.D	98	94	103	106
MC44300-6	J0974381.D	98	98	103	108
MC44300-7	J0974382.D	98	99	104	104
MC44300-8	J0974383.D	97	97	104	107
MC44300-9	J0974384.D	97	98	105	110
MC44300-10	J0974385.D	99	98	98	100
FA31418-34AMS	J0974479.D	102	94	98	95
FA31418-34AMSD	J0974480.D	101	92	97	96
MC44300-2MS	J0974386.D	100	94	95	97
MC44300-2MSD	J0974387.D	100	92	96	96
VJ5209-BS	J0974369.D	101	95	98	99
VJ5209-MB	J0974370.D	97	96	104	106
VJ5212-BS	J0974456.D	101	96	99	97
VJ5212-MB	J0974457.D	98	94	103	104

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking # 6595 2492 2899
Bottle Order Control #
SGS Accutest Quote #
SGS Accutest Job MC44300

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City / State / Zip: Marlbourough, MA 0175:
Project Contact: thelmaf
E-mail: frankd@accutest.com
Phone #: 508-481-6200
Fax #:
Sampler(s) Name(s): KGA
Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

	SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1	1	66M-13-06X		2/9/16	10:20:00 AM	KGA	AQ	1									X	MA
	2S	66M-04-10X		2/9/16	2:20:00 PM	KGA	AQ										X	
	2D	66M-04-10X		2/9/16	2:20:00 PM	KGA	AQ										X	
2	2	66M-04-10X		2/9/16	2:20:00 PM	KGA	AQ	1									X	MS/MSD
3	3	66M-93-13X		2/9/16	4:40:00 PM	KGA	AQ	1									X	
4	4	66M-13-05X		2/10/16	8:40:00 AM	KGA	AQ	1									X	
5	5	66M-04-02X		2/10/16	11:00:00 AM	KGA	AQ	1									X	
6	6	DUP-2		2/10/16	11:30:00 AM	KGA	AQ	1									X	
7	7	MW-3		2/10/16	3:30:00 PM	KGA	AQ	1									X	
9	9	66M-03-07X		2/10/16	2:44:00 PM	KGA	AQ	1									X	
10	10	66M-02-08X		2/10/16	4:57:00 PM	KGA	AQ	1									X	

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 2/24/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ -- SO4 by 300
DOD

INITIAL ASESSMENT NIR 2B
LABEL VERIFICATION NIR

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Tin	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-12-16	1 FEDX	2 Fed Ex	2/15/16 9:45	2 [signature]
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☐ On Ice ☒ Cooler Temp. 1.2°C ID

11.1

11

MC44300: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44300 **Client:** _____ **Project:** _____

Date / Time Received: 2/15/2016 9:45:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

MC44300: Chain of Custody
Page 2 of 2

QC Evaluation: DOD QSM5 Limits

Job Number: MC44300
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/09/16 thru 02/10/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44300

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Sulfate	GP95614/GN40872	10	0.49	mg/l	80	81.2	101.5	90-110%
Sulfate	GP95614/GN41113	10	0.0	mg/l	80	79.4	99.3	90-110%

Associated Samples:
Batch GP95614: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Sulfate	GP95614/GN40872	MC44300-2	mg/l	35.1	35.3	0.6	0-20%

Associated Samples:
Batch GP95614: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44300
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Sulfate	GP95614/GN40872	MC44300-2	mg/l	35.1	80	115	99.9	80-120%

Associated Samples:
Batch GP95614: MC44300-1, MC44300-2, MC44300-3, MC44300-4, MC44300-5, MC44300-6, MC44300-7, MC44300-9, MC44300-10
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

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e-Hardcopy 2.0
Automated Report

Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44325

Sampling Date: 02/11/16



Report to:

H&S Environmental

lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: **124**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

H&S Environmental

Job No: MC44325

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44325-1	02/11/16	12:35	EAKGA	02/11/16	AQ	Ground Water	G6M-13-01X
MC44325-1F	02/11/16	12:35	EAKGA	02/11/16	AQ	Groundwater Filtered	G6M-13-01X
MC44325-2	02/11/16	14:45	EAKGA	02/11/16	AQ	Ground Water	G6M-03-10X
MC44325-2F	02/11/16	14:45	EAKGA	02/11/16	AQ	Groundwater Filtered	G6M-03-10X
MC44325-3	02/11/16	14:40	EAKGA	02/11/16	AQ	Ground Water	G6M-02-11X
MC44325-3F	02/11/16	14:40	EAKGA	02/11/16	AQ	Groundwater Filtered	G6M-02-11X
MC44325-4	02/11/16	12:40	EAKGA	02/11/16	AQ	Ground Water	G6M-13-04X
MC44325-4F	02/11/16	12:40	EAKGA	02/11/16	AQ	Groundwater Filtered	G6M-13-04X
MC44325-5	02/11/16	09:20	EAKGA	02/11/16	AQ	Ground Water	G6M-9705BX
MC44325-5F	02/11/16	09:20	EAKGA	02/11/16	AQ	Groundwater Filtered	G6M-9705BX
MC44325-6	02/11/16	07:05	EAKGA	02/11/16	AQ	Trip Blank Water	TRIP BLANK
MC44325-7	02/11/16	09:45	EAKGA	02/11/16	AQ	Ground Water	DUP-3
MC44325-7F	02/11/16	09:45	EAKGA	02/11/16	AQ	Groundwater Filtered	DUP-3

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	H&S Environmental	**Job No**	MC44325
Site:	Fort Devens, AOC50, Devens, MA	**Report Date**	2/25/2016 12:33:22 P

6 Sample(s) and 1 Trip Blank were collected on 02/11/2016 and were received at Accutest on 02/11/2016 properly preserved, at -6.5 Deg. C and intact. These Samples received an Accutest job number of MC44325. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5212

- Analysis performed at Accutest Laboratories, Orlando FL.

Matrix: AQ **Batch ID:** F:VJ5213

- Analysis performed at Accutest Laboratories, Orlando FL.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1586

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44325-4MS, MC44325-4MSD were used as the QC samples indicated.
- MC44325-4MS/MSD Recovery(s) for Methane are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25811

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2FMS, MC44300-2FMSD, MC44300-2FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic are outside control limits for sample MP25811-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95614

- Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20117

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** GP20118

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44325-2DUP, MC44325-2MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.
- Matrix Spike Recovery(s) for Nitrogen, Nitrate + Nitrite are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Refer to spike blank.

Matrix: AQ **Batch ID:** GP20134

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1MS, MC44347-1DUP were used as the QC samples for Nitrogen, Nitrate + Nitrite.
- RPD(s) for Duplicate for Nitrogen, Nitrate + Nitrite are outside control limits for sample GP20134-D1. RPD acceptable due to low duplicate and sample concentrations.

Matrix: AQ **Batch ID:** R38000

- MC44325-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38001

- MC44325-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38035

- MC44325-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38036

- MC44325-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38041

- MC44325-5 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38042

- MC44325-7 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20103

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44325-1DUP, MC44325-1MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix:	AQ	Batch ID:	GN53110

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1DUP, MC44347-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix:	AQ	Batch ID:	GN53070

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1DUP, MC44347-1MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix:	AQ	Batch ID:	GP20108

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1MS, MC44347-1MSD were used as the QC samples for Total Organic Carbon.

Matrix:	AQ	Batch ID:	GP20138

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-4MS, MC44347-4MSD were used as the QC samples for Total Organic Carbon.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC44325).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44325
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	2/23/2016 10:19:23 A

On 02/15/2016, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 1.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44325 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95614

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44300-2DUP, MC44300-2MS were used as the QC samples for Sulfate.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job No:** MC44325

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 2/24/2016 2:04:34 PM

6 Samples and 1 Trip Blank were collected on 02/11/2016 and were received at Accutest SE on 02/11/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of MC44325. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5212

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31418-34AMS, FA31418-34AMSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Methyl Iodide are outside control limits. Recovery is biased high. Analyte is non-detect in associated samples; therefore data is not adversely affected.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, Bromoform, Dibromochloromethane, Styrene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, Methylene Chloride, Styrene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike / Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethylene, Methylene Chloride, Trichloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for MSD for Bromoform are outside control limits for sample FA31418-34AMSD. Probable cause is due to sample non-homogeneity.

MC44325-1 for Chloroethane: Associated ICV outside control limits.

MC44325-1 for Methyl Bromide: Associated ICV outside control limits.

MC44325-1 for Methyl Iodide: Associated BS recovery outside control limits.

MC44325-2 for Chloroethane: Associated ICV outside control limits.

MC44325-2 for Methyl Bromide: Associated ICV outside control limits.

MC44325-2 for Methyl Iodide: Associated BS recovery outside control limits.

MC44325-3 for Chloroethane: Associated ICV outside control limits.

MC44325-3 for Methyl Bromide: Associated ICV outside control limits.

MC44325-3 for Methyl Iodide: Associated BS recovery outside control limits.

MC44325-4 for Chloroethane: Associated ICV outside control limits. No sample available for re-analysis.

MC44325-4 for Methyl Bromide: Associated ICV outside control limits.

MC44325-4 for Methyl Iodide: Associated BS recovery outside control limits.

MC44325-6 for Chloroethane: Associated ICV outside control limits.

MC44325-6 for Methyl Bromide: Associated ICV outside control limits.

MC44325-6 for Methyl Iodide: Associated BS recovery outside control limits.

MC44325-7 for Chloroethane: Associated ICV outside control limits.

MC44325-7 for Methyl Bromide: Associated ICV outside control limits.

MC44325-7 for Methyl Iodide: Associated BS recovery outside control limits.

Matrix: AQ **Batch ID:** VJ5213

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31521-2MS, FA31521-2MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5213

Matrix Spike Recovery(s) for 1,3,5-Trimethylbenzene, Bromoform, Dibromochloromethane are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for 1,3,5-Trimethylbenzene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike / Matrix Spike Duplicate Recovery(s) for m,p-Xylene, Xylene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

MC44325-5 for Methyl Bromide: Associated ICV recovery outside control limits.

MC44325-5 for Chloroethane: Associated ICV recovery outside control limits.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: February 24, 2016

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: MC44325
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44325-1	**G6M-13-01X**					
cis-1,2-Dichloroethylene [a]		1.6	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		10.3	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		0.69 J	1.0	0.50	ug/l	SW846 8260B
Methane		126	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		31.5	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.31	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.31	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		16.7	10	0.50	mg/l	EPA 300/SW846 9056A
MC44325-1F	**G6M-13-01X**					
Manganese		10.3 J	15	7.5	ug/l	SW846 6010C
MC44325-2	**G6M-03-10X**					
Methane		7550	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		105	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.11	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		2.0 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		3.3	1.0	0.81	mg/l	SW846 9060
MC44325-2F	**G6M-03-10X**					
Arsenic		492	4.0	2.0	ug/l	SW846 6010C
Iron		72000	500	250	ug/l	SW846 6010C
Manganese		2370	15	7.5	ug/l	SW846 6010C
MC44325-3	**G6M-02-11X**					
Chloroethane [d]		0.64 J	2.0	1.0	ug/l	SW846 8260B
Methane		4980	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		219	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.10 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.10	0.10	0.054	mg/l	EPA 353.2
Total Organic Carbon		5.1	1.0	0.81	mg/l	SW846 9060
MC44325-3F	**G6M-02-11X**					
Arsenic		584	4.0	2.0	ug/l	SW846 6010C
Iron		45900	500	250	ug/l	SW846 6010C
Manganese		9880	75	38	ug/l	SW846 6010C

Summary of Hits

Job Number: MC44325
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44325-4	**G6M-13-04X**					
Chloroethane [e]		3.7 J	2.0	1.0	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		15.0	1.0	0.50	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		1.5	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		0.70 J	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		5.9	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		50.9	1.0	0.50	ug/l	SW846 8260B
Methane		5690	100	50	ug/l	RSK-175
Ethene		18.9	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		261	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.099 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.099 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		6.1 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		3.2	1.0	0.81	mg/l	SW846 9060
MC44325-4F	**G6M-13-04X**					
Arsenic		392	4.0	2.0	ug/l	SW846 6010C
Iron		33900	500	250	ug/l	SW846 6010C
Manganese		7390	75	38	ug/l	SW846 6010C
MC44325-5	**G6M-9705BX**					
Carbon Tetrachloride [a]		1.0	1.0	0.50	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		3.8	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		97.2	2.0	1.0	ug/l	SW846 8260B
Trichloroethylene [a]		11.2	1.0	0.50	ug/l	SW846 8260B
Alkalinity, Total as CaCO3		29.3	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		1.0	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		1.0	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		7.8 J	10	0.50	mg/l	EPA 300/SW846 9056A
MC44325-5F	**G6M-9705BX**					
No hits reported in this sample.						
MC44325-6	**TRIP BLANK**					
No hits reported in this sample.						
MC44325-7	**DUP-3**					
cis-1,2-Dichloroethylene [a]		3.7	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		87.8	2.0	1.0	ug/l	SW846 8260B

Summary of Hits

Job Number: MC44325
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Trichloroethylene [a]		10.1	1.0	0.50	ug/l	SW846 8260B
Alkalinity, Total as CaCO3		28.2	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		1.0	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		1.0	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		7.8 J	10	0.50	mg/l	EPA 300/SW846 9056A

MC44325-7F **DUP-3**

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.
(d) Analysis performed at Accutest Laboratories, Orlando FL. Associated ICV outside control limits.
(e) Analysis performed at Accutest Laboratories, Orlando FL. Associated ICV outside control limits. No sample available for re-analysis.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-13-01X		
Lab Sample ID:	MC44325-1	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974463.D	1	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.6	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-01X
Lab Sample ID: MC44325-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide [c]	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	10.3	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.69	1.0	0.50	ug/l	J
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-01X		
Lab Sample ID:	MC44325-1	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-01X		
Lab Sample ID:	MC44325-1	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23237.D	1	02/12/16	DF	n/a	n/a	GBA1586
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	126	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-01X		
Lab Sample ID:	MC44325-1	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	31.5	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.31	0.11	0.057	mg/l	1	02/17/16 11:38	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.31	0.10	0.054	mg/l	1	02/17/16 11:38	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 13:37	EL	SM 21 4500 NO2 B
Sulfate [b]	16.7	10	0.50	mg/l	1	02/18/16 18:07	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	02/22/16 23:06	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-13-01X
Lab Sample ID: MC44325-1F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	10.3 J	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-10X		
Lab Sample ID:	MC44325-2	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974464.D	1	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-10X
Lab Sample ID: MC44325-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide [c]	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-10X		
Lab Sample ID:	MC44325-2	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-10X		
Lab Sample ID:	MC44325-2	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23238.D	1	02/12/16	DF	n/a	n/a	GBA1586
Run #2	BA23239.D	1	02/12/16	DF	n/a	n/a	GBA1586

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	7550 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-10X
Lab Sample ID: MC44325-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	105	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.11	0.11	0.057	mg/l	1	02/17/16 11:53	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/17/16 11:53	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 13:37	EL	SM 21 4500 NO2 B
Sulfate [b]	2.0 J	10	0.50	mg/l	1	02/18/16 18:31	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	3.3	1.0	0.81	mg/l	1	02/13/16 07:26	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-03-10X
Lab Sample ID: MC44325-2F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	492	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	72000	500	250	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	2370	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-02-11X		
Lab Sample ID:	MC44325-3	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974465.D	1	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	0.64	2.0	1.0	ug/l	J
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

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E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-02-11X
Lab Sample ID: MC44325-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide [c]	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-11X		
Lab Sample ID:	MC44325-3	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	107%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-11X		
Lab Sample ID:	MC44325-3	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23240.D	1	02/12/16	DF	n/a	n/a	GBA1586
Run #2	BA23241.D	1	02/12/16	DF	n/a	n/a	GBA1586

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	4980 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-11X		
Lab Sample ID:	MC44325-3	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	219	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.10 J	0.11	0.057	mg/l	1	02/22/16 17:14	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.10	0.10	0.054	mg/l	1	02/22/16 17:14	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 13:37	EL	SM 21 4500 NO2 B
Sulfate [b]	0.50 U	10	0.50	mg/l	1	02/18/16 18:55	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	5.1	1.0	0.81	mg/l	1	02/13/16 07:44	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-02-11X
Lab Sample ID: MC44325-3F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	584	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Iron	45900	500	250	ug/l	5	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]
Manganese	9880	75	38	ug/l	5	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA18912
(2) Instrument QC Batch: MA18921
(3) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-13-04X		
Lab Sample ID:	MC44325-4	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974466.D	1	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	3.7	2.0	1.0	ug/l	J
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	15.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.5	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-04X
Lab Sample ID: MC44325-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide [d]	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.70	1.0	0.50	ug/l	J
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	5.9	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	50.9	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-04X		
Lab Sample ID:	MC44325-4	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits. No sample available for re-analysis.
(c) Associated ICV outside control limits.
(d) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-04X		
Lab Sample ID:	MC44325-4	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23231.D	1	02/12/16	DF	n/a	n/a	GBA1586
Run #2	BA23232.D	1	02/12/16	DF	n/a	n/a	GBA1586

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	5690 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	18.9	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-04X		
Lab Sample ID:	MC44325-4	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	261	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.099 J	0.11	0.057	mg/l	1	02/22/16 17:18	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.099 J	0.10	0.054	mg/l	1	02/22/16 17:18	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 13:37	EL	SM 21 4500 NO2 B
Sulfate [b]	6.1 J	10	0.50	mg/l	1	02/20/16 10:16	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	3.2	1.0	0.81	mg/l	1	02/13/16 07:58	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-13-04X
Lab Sample ID: MC44325-4F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/11/16
Date Received: 02/11/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	392	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Iron	33900	500	250	ug/l	5	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]
Manganese	7390	75	38	ug/l	5	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA18912
(2) Instrument QC Batch: MA18921
(3) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-9705BX		
Lab Sample ID:	MC44325-5	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974500.D	1	02/22/16	AFL	n/a	n/a	F:VJ5213
Run #2 [a]	J0974467.D	2	02/19/16	AFL	n/a	n/a	F:VJ5212

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	1.0	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.8	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-9705BX		
Lab Sample ID:	MC44325-5	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	8.0 U [c]	10	8.0	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	97.2 [c]	2.0	1.0	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	11.2	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-9705BX		
Lab Sample ID:	MC44325-5	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	94%	79-125%
2037-26-5	Toluene-D8	103%	104%	85-112%
460-00-4	4-Bromofluorobenzene	103%	105%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV recovery outside control limits.
(c) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-9705BX		
Lab Sample ID:	MC44325-5	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23242.D	1	02/12/16	DF	n/a	n/a	GBA1586
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	5.0 U	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-9705BX		
Lab Sample ID:	MC44325-5	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	29.3	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	1.0	0.11	0.057	mg/l	1	02/22/16 17:19	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	1.0	0.10	0.054	mg/l	1	02/22/16 17:19	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 13:37	EL	SM 21 4500 NO2 B
Sulfate [b]	7.8 J	10	0.50	mg/l	1	02/20/16 10:41	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	02/22/16 23:23	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-9705BX		
Lab Sample ID:	MC44325-5F	**Date Sampled:**	02/11/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	7.5 U	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC44325-6	**Date Sampled:**	02/11/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974468.D	1	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC44325-6	**Date Sampled:**	02/11/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide [c]	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC44325-6	**Date Sampled:**	02/11/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	MC44325-7	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974469.D	1	02/19/16	AFL	n/a	n/a	F:VJ5212
Run #2 [a]	J0974501.D	2	02/22/16	AFL	n/a	n/a	F:VJ5213

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.7	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	MC44325-7	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide [c]	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	87.8 [d]	2.0	1.0	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	10.1	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	99%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	MC44325-7	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	95%	79-125%
2037-26-5	Toluene-D8	104%	103%	85-112%
460-00-4	4-Bromofluorobenzene	105%	104%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.
(c) Associated BS recovery outside control limits.
(d) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	MC44325-7	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23243.D	1	02/12/16	DF	n/a	n/a	GBA1586
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	5.0 U	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	MC44325-7	**Date Sampled:**	02/11/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	28.2	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	1.0	0.11	0.057	mg/l	1	02/22/16 17:20	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	1.0	0.10	0.054	mg/l	1	02/22/16 17:20	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 13:37	EL	SM 21 4500 NO2 B
Sulfate [b]	7.8 J	10	0.50	mg/l	1	02/20/16 11:04	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	02/23/16 00:13	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	DUP-3		
Lab Sample ID:	MC44325-7F	**Date Sampled:**	02/11/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/11/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	7.5 U	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

5

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: MC44325
Accutest Control #:

Client Information

Name: H&S Environmental
Address: 160 East Main Street, Suite 2F
City: Westborough State: MA Zip: 01581
Send Report to: Laurie Ekes (lekes@hsenv.com)
Phone #: (508)367-7190

Facility Information

Project Name: Devens
Location: AOC50 February 2016
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: VOC	NaOH	HNO3	H2SO4	None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P HNO3 (Filtered)	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)
-1F G6M-12.01X	2/11/16	1235	EA	WG	11	3	1	1	1	1	X	X	X	X	X	X	X
-2F G6M 03 00X		1445	EA	WG	11	3	1	1	1	1	X	X	X	X	X	X	X
-3F G6M 02 11X		1440	KGA	WG	11	3	1	1	1	1	X	X	X	X	X	X	X
-4F G6M 13 04X		1240	KGA	WG	11	3	1	1	1	1	X	X	X	X	X	X	X
-5F G6M 97 05B		945	KGA	WG	11	3	1	1	1	1	X	X	X	X	X	X	X
-6 TRIP BLANK		705	KGA	WG	2	2					X						
-7F Dup2-3		945	KGA	WG	11	7	1	1	1	1							

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

9C, 5C, 3D2

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/11/16 1620	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved	On Ice:
5		5		☐	☑ ~6.5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC44325 **Client:** H&S **Immediate Client Services Action Required:** No

Date / Time Received: 2/11/2016 4:20:00 PM **Delivery Method:** Client

Project: DEVENS **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☑	4. Smpl Dates/Time OK	☐		☑

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	
2. Trip Blank listed on COC:	☑	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample rec'd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☐	☑	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

id#-5-COC "G6M-97-05B,2/11/16, 9:45" time, the time on sample "9:20" on all bottles other information correct
id #7- no analysis checked off "DUP-3 FEB 16,2/11/16, 9:45"

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

Sample Receipt Summary - Problem Resolution

Accutest Job Number: MC44325

CSR: Frank D'Agostino **Response Date:** 2/12/2016

Response: Please use the time on the samples for the time collected (0920) and if you have a complete set of bottles for DUP-3… please run all the analyses listed on the COC.

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC44325: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25811	SW846 6010C						
MP25811-B1	7440-38-2	Arsenic	BSP	REC	102.2	%	87-113
MP25811-B1	7439-89-6	Iron	BSP	REC	99.5	%	87-115
MP25811-B1	7439-96-5	Manganese	BSP	REC	102.2	%	90-114
MP25811-S1*	7440-38-2	Arsenic	MS	REC	104.7	%	87-113
MP25811-S1*	7439-89-6	Iron	MS	REC	99.2	%	87-115
MP25811-S1*	7439-96-5	Manganese	MS	REC	99.4	%	90-114
MP25811-S2*	7440-38-2	Arsenic	MSD	REC	106.1	%	87-113
MP25811-S2*	7440-38-2	Arsenic	MSD	RPD	1.3	%	20
MP25811-S2*	7439-89-6	Iron	MSD	REC	99.8	%	87-115
MP25811-S2*	7439-89-6	Iron	MSD	RPD	.6	%	20
MP25811-S2*	7439-96-5	Manganese	MSD	REC	102.2	%	90-114
MP25811-S2*	7439-96-5	Manganese	MSD	RPD	1.8	%	20

* Sample used for QC is not from job MC44325

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44325
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1586-MB	BA23228.D	1	02/12/16	DF	n/a	n/a	GBA1586

The QC reported here applies to the following samples: **Method:** RSK-175

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44325
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1586-BSP	BA23230.D	1	02/12/16	DF	n/a	n/a	GBA1586

The QC reported here applies to the following samples: **Method:** RSK-175

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	84.7	95	50-150
74-84-0	Ethane	166	159	96	50-150
74-85-1	Ethene	155	157	101	50-150

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44325-4MS	BA23235.D	1	02/12/16	DF	n/a	n/a	GBA1586
MC44325-4MSD	BA23236.D	1	02/12/16	DF	n/a	n/a	GBA1586
MC44325-4	BA23231.D	1	02/12/16	DF	n/a	n/a	GBA1586
MC44325-4	BA23232.D	1	02/12/16	DF	n/a	n/a	GBA1586

The QC reported here applies to the following samples: **Method:** RSK-175

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7

CAS No.	Compound	MC44325-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	5690 [b]		88.7	5990	338* [a]	88.7	6640	1071* [a]	10	50-150/30
74-84-0	Ethane	10 U		166	109	66	166	123	74	12	50-150/30
74-85-1	Ethene	18.9		155	129	71	155	144	81	11	50-150/30

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.20	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	-0.30	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.10	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25811: MC44325-1F, MC44325-2F, MC44325-3F, MC44325-4F, MC44325-5F, MC44325-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	1.5	525	500	104.7	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	0.00	9920	10000	99.2	75-125
Lead					
Lithium					
Magnesium					
Manganese	274	771	500	99.4	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44325-1F, MC44325-2F, MC44325-3F, MC44325-4F, MC44325-5F, MC44325-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.5	532	500	106.1	1.3	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	0.00	9980	10000	99.8	0.6	20
Lead						
Lithium						
Magnesium						
Manganese	274	785	500	102.2	1.8	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25811: MC44325-1F, MC44325-2F, MC44325-3F, MC44325-4F, MC44325-5F, MC44325-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	511	500	102.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	9950	10000	99.5	80-120
Lead				
Lithium				
Magnesium				
Manganese	511	500	102.2	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44325-1F, MC44325-2F, MC44325-3F, MC44325-4F, MC44325-5F, MC44325-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	1.50	0.00	100.0(a)	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	0.00	0.00	NC	0-10
Lead				
Lithium				
Magnesium				
Manganese	274	280	2.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25811: MC44325-1F, MC44325-2F, MC44325-3F, MC44325-4F, MC44325-5F, MC44325-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53110	5.0	0.0	mg/l	250	263	105.2	80-120%
Nitrogen, Nitrate + Nitrite	GP20117/GN53077	0.10	0.0	mg/l	2	2.02	101.0	90-110%
Nitrogen, Nitrate + Nitrite	GP20118/GN53077	0.10	0.0	mg/l	2	2.02	101.0	90-110%
Nitrogen, Nitrate + Nitrite	GP20134/GN53121	0.10	0.018	mg/l	2	2.08	104.0	90-110%
Nitrogen, Nitrite	GP20103/GN53047	0.010	0.0	mg/l	0.02	0.020	100.0	80-120%
Sulfide	GN53070	2.0	0.0	mg/l	12.6	11.6	92.1	80-120%
Total Organic Carbon	GP20108/GN53061	1.0	0.0	mg/l	10	9.35	93.5	80-120%
Total Organic Carbon	GP20138/GN53125	1.0	0.0	mg/l	10	9.05	90.5	80-120%

Associated Samples:
Batch GN53070: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GN53110: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20103: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20108: MC44325-2, MC44325-3, MC44325-4
Batch GP20117: MC44325-1
Batch GP20118: MC44325-2
Batch GP20134: MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20138: MC44325-1, MC44325-5, MC44325-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53110	MC44347-1	mg/l	111	107	3.7	0-20%
Nitrogen, Nitrate + Nitrite	GP20117/GN53077	MC44300-2	mg/l	0.91	0.90	1.1	0-20%
Nitrogen, Nitrate + Nitrite	GP20118/GN53077	MC44325-2	mg/l	0.11	0.10	9.5	0-20%
Nitrogen, Nitrate + Nitrite	GP20134/GN53121	MC44347-1	mg/l	0.085	0.069	20.8(a)	0-20%
Nitrogen, Nitrite	GP20103/GN53047	MC44325-1	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53070	MC44347-1	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53070: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GN53110: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20103: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20117: MC44325-1
Batch GP20118: MC44325-2
Batch GP20134: MC44325-3, MC44325-4, MC44325-5, MC44325-7
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53110	MC44347-1	mg/l	111	250	369	103.2	75-125%
Nitrogen, Nitrate + Nitrite	GP20117/GN53077	MC44300-2	mg/l	0.91	2	2.9	99.5	90-110%
Nitrogen, Nitrate + Nitrite	GP20118/GN53077	MC44325-2	mg/l	0.11	2	1.7	79.5N(a)	90-110%
Nitrogen, Nitrate + Nitrite	GP20134/GN53121	MC44347-1	mg/l	0.085	2	2.1	100.8	90-110%
Nitrogen, Nitrite	GP20103/GN53047	MC44325-1	mg/l	0.0011 U	0.02	0.019	95.0	75-125%
Sulfide	GN53070	MC44347-1	mg/l	0.34 U	10.1	9.1	90.1	75-125%
Total Organic Carbon	GP20108/GN53061	MC44347-1	mg/l	1.6	10	10.9	93.0	75-125%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	11.5	93.0	75-125%

Associated Samples:
Batch GN53070: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GN53110: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20103: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20108: MC44325-2, MC44325-3, MC44325-4
Batch GP20117: MC44325-1
Batch GP20118: MC44325-2
Batch GP20134: MC44325-3, MC44325-4, MC44325-5, MC44325-7
Batch GP20138: MC44325-1, MC44325-5, MC44325-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Refer to spike blank.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20108/GN53061	MC44347-1	mg/l	1.6	10	11.1	1.8	20%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	12.0	4.3	20%

Associated Samples:
Batch GP20108: MC44325-2, MC44325-3, MC44325-4
Batch GP20138: MC44325-1, MC44325-5, MC44325-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44325

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175?
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): EAKGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD,VMS+8260C,VMS+MTBE,	LAB USE ONLY
1	G6M-13-01X		2/11/16	12:35:00 PM	EAKGA	AQ	2	x								X	
2	G6M-03-10X		2/11/16	2:45:00 PM	EAKGA	AQ	2	x								X	
3	G6M-02-11X		2/11/16	2:40:00 PM	EAKGA	AQ	2	x								X	
4	G6M-13-04X		2/11/16	12:40:00 PM	EAKGA	AQ	2	x								X	
5	G6M-9705BX		2/11/16	9:45:00 AM	EAKGA	AQ	2	x								X	
6	TRIP BLANK		2/11/16	7:05:00 AM	EAKGA	AQ	2	x								X	
7	DUP-3		2/11/16	9:45:00 AM	EAKGA	AQ	2	x								X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 2/25/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE -- DOD ***NEED 8260C Method***
*Note: Client submitted 2 vials for each. See attached.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 2-12-16	Received By: 1 FEDX	Relinquished By: 2 FX	Date Time: 2-13-16	Received By: 2 J. Cooke (ALSE) 11:30
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp. 3.4

9.1.9

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC44325 CLIENT: ALNE PROJECT: FORT DEVENS

DATE/TIME RECEIVED: 2-13-16 11:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6595 2492 2903

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.8
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

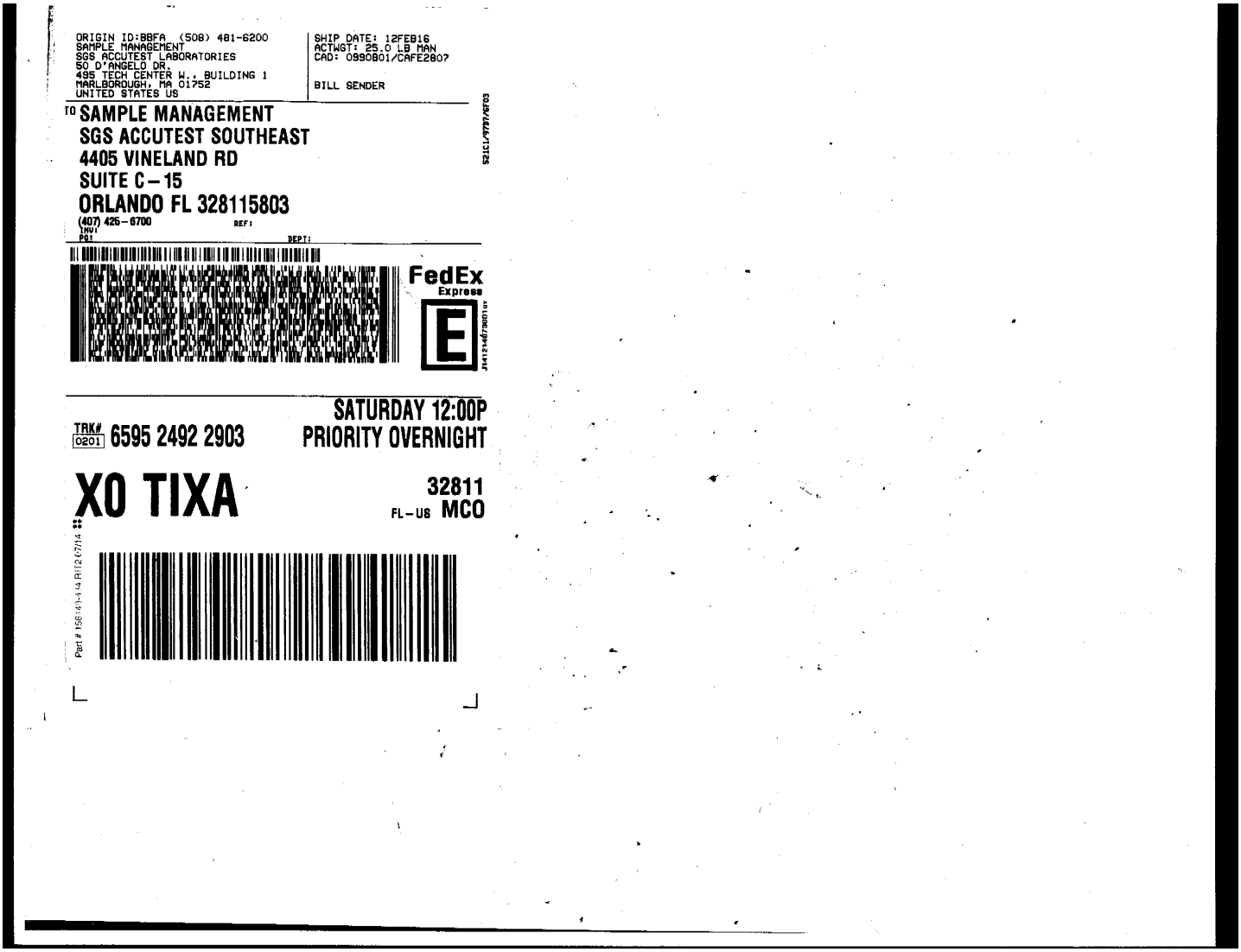
SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 2-15-16 REVIEWER SIGNATURE/DATE 2-15-16

NF 11/15 receipt confirmation 111015.xls

9.1

9


ORIGIN ID:BBFA (508) 481-6200
SAMPLE MANAGEMENT
SGS ACCUTEST LABORATORIES
50 D'ANGELO DR.
495 TECH CENTER W., BUILDING 1
MARLBOROUGH, MA 01752
UNITED STATES US
SHIP DATE: 12FEB16
ACTWGT: 25.0 LB MAN
CAD: 0990801/CAFE2807
BILL SENDER
TO SAMPLE MANAGEMENT
SGS ACCUTEST SOUTHEAST
4405 VINELAND RD
SUITE C-15
ORLANDO FL 328115803
(407) 425-6700
REF:
INV:
PO:
DEPT:
FedEx
Express
TRK# 0201 6595 2492 2903
SATURDAY 12:00P
PRIORITY OVERNIGHT
XO TIXA
32811
FL-US MCO

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5212	SW846 8260B						
VJ5212-BS	67-64-1	Acetone	BSP	REC	118	%	39-160
VJ5212-BS	71-43-2	Benzene	BSP	REC	110	%	79-120
VJ5212-BS	108-86-1	Bromobenzene	BSP	REC	109	%	80-120
VJ5212-BS	74-97-5	Bromochloromethane	BSP	REC	115	%	78-123
VJ5212-BS	75-27-4	Bromodichloromethane	BSP	REC	109	%	79-125
VJ5212-BS	75-25-2	Bromoform	BSP	REC	98	%	66-130
VJ5212-BS	78-93-3	2-Butanone (MEK)	BSP	REC	94	%	56-143
VJ5212-BS	104-51-8	n-Butylbenzene	BSP	REC	117	%	75-128
VJ5212-BS	135-98-8	sec-Butylbenzene	BSP	REC	124	%	77-126
VJ5212-BS	98-06-6	tert-Butylbenzene	BSP	REC	112	%	78-124
VJ5212-BS	75-15-0	Carbon Disulfide	BSP	REC	128	%	64-133
VJ5212-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VJ5212-BS	108-90-7	Chlorobenzene	BSP	REC	106	%	82-118
VJ5212-BS	75-00-3	Chloroethane	BSP	REC	104	%	60-138
VJ5212-BS	67-66-3	Chloroform	BSP	REC	112	%	79-124
VJ5212-BS	95-49-8	o-Chlorotoluene	BSP	REC	114	%	79-122
VJ5212-BS	106-43-4	p-Chlorotoluene	BSP	REC	111	%	78-122
VJ5212-BS	124-48-1	Dibromochloromethane	BSP	REC	101	%	74-126
VJ5212-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	84	%	62-128
VJ5212-BS	106-93-4	1,2-Dibromoethane	BSP	REC	102	%	77-121
VJ5212-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	110	%	32-152
VJ5212-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	108	%	80-119
VJ5212-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	115	%	80-119
VJ5212-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	108	%	79-118
VJ5212-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	77-125
VJ5212-BS	107-06-2	1,2-Dichloroethane	BSP	REC	98	%	73-128
VJ5212-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	117	%	71-131
VJ5212-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	105	%	78-123
VJ5212-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	120	%	75-124
VJ5212-BS	78-87-5	1,2-Dichloropropane	BSP	REC	106	%	78-122
VJ5212-BS	142-28-9	1,3-Dichloropropane	BSP	REC	97	%	80-119
VJ5212-BS	594-20-7	2,2-Dichloropropane	BSP	REC	112	%	60-139
VJ5212-BS	563-58-6	1,1-Dichloropropene	BSP	REC	109	%	79-125
VJ5212-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	102	%	75-124
VJ5212-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	116	%	73-127
VJ5212-BS	100-41-4	Ethylbenzene	BSP	REC	104	%	79-121
VJ5212-BS	87-68-3	Hexachlorobutadiene	BSP	REC	101	%	66-134
VJ5212-BS	591-78-6	2-Hexanone	BSP	REC	98	%	57-139
VJ5212-BS	98-82-8	Isopropylbenzene	BSP	REC	106	%	72-131
VJ5212-BS	99-87-6	p-Isopropyltoluene	BSP	REC	103	%	77-127
VJ5212-BS	74-83-9	Methyl Bromide	BSP	REC	98	%	53-141
VJ5212-BS	74-87-3	Methyl Chloride	BSP	REC	96	%	50-139

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5212-BS	74-88-4	Methyl Iodide	BSP	REC	124	%	69-131
VJ5212-BS	74-95-3	Methylene Bromide	BSP	REC	103	%	79-123
VJ5212-BS	75-09-2	Methylene Chloride	BSP	REC	92	%	74-124
VJ5212-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	92	%	67-130
VJ5212-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	105	%	71-124
VJ5212-BS	91-20-3	Naphthalene	BSP	REC	94	%	61-128
VJ5212-BS	103-65-1	n-Propylbenzene	BSP	REC	125	%	76-126
VJ5212-BS	100-42-5	Styrene	BSP	REC	112	%	78-123
VJ5212-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	111	%	78-124
VJ5212-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	93	%	71-121
VJ5212-BS	127-18-4	Tetrachloroethylene	BSP	REC	105	%	74-129
VJ5212-BS	108-88-3	Toluene	BSP	REC	107	%	80-121
VJ5212-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	96	%	69-129
VJ5212-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	69-130
VJ5212-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	108	%	74-131
VJ5212-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	101	%	80-119
VJ5212-BS	79-01-6	Trichloroethylene	BSP	REC	114	%	79-123
VJ5212-BS	75-69-4	Trichlorofluoromethane	BSP	REC	103	%	65-141
VJ5212-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	92	%	73-122
VJ5212-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	114	%	76-124
VJ5212-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	114	%	75-124
VJ5212-BS	108-05-4	Vinyl Acetate	BSP	REC	100	%	54-146
VJ5212-BS	75-01-4	Vinyl Chloride	BSP	REC	99	%	58-137
VJ5212-BS		m,p-Xylene	BSP	REC	106	%	80-121
VJ5212-BS	95-47-6	o-Xylene	BSP	REC	112	%	78-122
VJ5212-BS	1330-20-7	Xylene (total)	BSP	REC	108	%	79-121
VJ5212-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5212-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	96	%	81-118
VJ5212-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112
VJ5212-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
FA31418-34AMS*	67-64-1	Acetone	MS	REC	82	%	39-160
FA31418-34AMS*	71-43-2	Benzene	MS	REC	106	%	79-120
FA31418-34AMS*	108-86-1	Bromobenzene	MS	REC	102	%	80-120
FA31418-34AMS*	74-97-5	Bromochloromethane	MS	REC	109	%	78-123
FA31418-34AMS*	75-27-4	Bromodichloromethane	MS	REC	94	%	79-125
FA31418-34AMS*	75-25-2	Bromoform	MS	REC	52 [a]	%	66-130
FA31418-34AMS*	78-93-3	2-Butanone (MEK)	MS	REC	82	%	56-143
FA31418-34AMS*	104-51-8	n-Butylbenzene	MS	REC	104	%	75-128
FA31418-34AMS*	135-98-8	sec-Butylbenzene	MS	REC	114	%	77-126
FA31418-34AMS*	98-06-6	tert-Butylbenzene	MS	REC	103	%	78-124
FA31418-34AMS*	75-15-0	Carbon Disulfide	MS	REC	105	%	64-133
FA31418-34AMS*	56-23-5	Carbon Tetrachloride	MS	REC	105	%	72-136
FA31418-34AMS*	108-90-7	Chlorobenzene	MS	REC	101	%	82-118
FA31418-34AMS*	75-00-3	Chloroethane	MS	REC	105	%	60-138
FA31418-34AMS*	67-66-3	Chloroform	MS	REC	107	%	79-124

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMS*	95-49-8	o-Chlorotoluene	MS	REC	106	%	79-122
FA31418-34AMS*	106-43-4	p-Chlorotoluene	MS	REC	102	%	78-122
FA31418-34AMS*	124-48-1	Dibromochloromethane	MS	REC	72 [a]	%	74-126
FA31418-34AMS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	70	%	62-128
FA31418-34AMS*	106-93-4	1,2-Dibromoethane	MS	REC	93	%	77-121
FA31418-34AMS*	75-71-8	Dichlorodifluoromethane	MS	REC	96	%	32-152
FA31418-34AMS*	95-50-1	1,2-Dichlorobenzene	MS	REC	101	%	80-119
FA31418-34AMS*	541-73-1	1,3-Dichlorobenzene	MS	REC	106	%	80-119
FA31418-34AMS*	106-46-7	1,4-Dichlorobenzene	MS	REC	100	%	79-118
FA31418-34AMS*	75-34-3	1,1-Dichloroethane	MS	REC	108	%	77-125
FA31418-34AMS*	107-06-2	1,2-Dichloroethane	MS	REC	92	%	73-128
FA31418-34AMS*	75-35-4	1,1-Dichloroethylene	MS	REC	158 [a]	%	71-131
FA31418-34AMS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	-360 [b]	%	78-123
FA31418-34AMS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
FA31418-34AMS*	78-87-5	1,2-Dichloropropane	MS	REC	100	%	78-122
FA31418-34AMS*	142-28-9	1,3-Dichloropropane	MS	REC	90	%	80-119
FA31418-34AMS*	594-20-7	2,2-Dichloropropane	MS	REC	94	%	60-139
FA31418-34AMS*	563-58-6	1,1-Dichloropropene	MS	REC	101	%	79-125
FA31418-34AMS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	82	%	75-124
FA31418-34AMS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	94	%	73-127
FA31418-34AMS*	100-41-4	Ethylbenzene	MS	REC	98	%	79-121
FA31418-34AMS*	87-68-3	Hexachlorobutadiene	MS	REC	85	%	66-134
FA31418-34AMS*	591-78-6	2-Hexanone	MS	REC	88	%	57-139
FA31418-34AMS*	98-82-8	Isopropylbenzene	MS	REC	97	%	72-131
FA31418-34AMS*	99-87-6	p-Isopropyltoluene	MS	REC	94	%	77-127
FA31418-34AMS*	74-83-9	Methyl Bromide	MS	REC	96	%	53-141
FA31418-34AMS*	74-87-3	Methyl Chloride	MS	REC	86	%	50-139
FA31418-34AMS*	74-88-4	Methyl Iodide	MS	REC	106	%	69-131
FA31418-34AMS*	74-95-3	Methylene Bromide	MS	REC	103	%	79-123
FA31418-34AMS*	75-09-2	Methylene Chloride	MS	REC	-479 [b]	%	74-124
FA31418-34AMS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	93	%	67-130
FA31418-34AMS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	92	%	71-124
FA31418-34AMS*	91-20-3	Naphthalene	MS	REC	80	%	61-128
FA31418-34AMS*	103-65-1	n-Propylbenzene	MS	REC	115	%	76-126
FA31418-34AMS*	100-42-5	Styrene	MS	REC	70 [a]	%	78-123
FA31418-34AMS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	103	%	78-124
FA31418-34AMS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	85	%	71-121
FA31418-34AMS*	127-18-4	Tetrachloroethylene	MS	REC	104	%	74-129
FA31418-34AMS*	108-88-3	Toluene	MS	REC	101	%	80-121
FA31418-34AMS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	81	%	69-129
FA31418-34AMS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	84	%	69-130
FA31418-34AMS*	71-55-6	1,1,1-Trichloroethane	MS	REC	97	%	74-131
FA31418-34AMS*	79-00-5	1,1,2-Trichloroethane	MS	REC	99	%	80-119
FA31418-34AMS*	79-01-6	Trichloroethylene	MS	REC	-308 [b]	%	79-123
FA31418-34AMS*	75-69-4	Trichlorofluoromethane	MS	REC	100	%	65-141

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMS*	96-18-4	1,2,3-Trichloropropane	MS	REC	84	%	73-122
FA31418-34AMS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	103	%	76-124
FA31418-34AMS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	104	%	75-124
FA31418-34AMS*	108-05-4	Vinyl Acetate	MS	REC	94	%	54-146
FA31418-34AMS*	75-01-4	Vinyl Chloride	MS	REC	115	%	58-137
FA31418-34AMS*		m,p-Xylene	MS	REC	99	%	80-121
FA31418-34AMS*	95-47-6	o-Xylene	MS	REC	103	%	78-122
FA31418-34AMS*	1330-20-7	Xylene (total)	MS	REC	100	%	79-121
FA31418-34AMS*	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
FA31418-34AMS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	94	%	81-118
FA31418-34AMS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FA31418-34AMS*	460-00-4	4-Bromofluorobenzene	MS	SURR	95	%	85-114
FA31418-34AMSD*	67-64-1	Acetone	MSD	REC	87	%	39-160
FA31418-34AMSD*	67-64-1	Acetone	MSD	RPD	7	%	20
FA31418-34AMSD*	71-43-2	Benzene	MSD	REC	105	%	79-120
FA31418-34AMSD*	71-43-2	Benzene	MSD	RPD	2	%	20
FA31418-34AMSD*	108-86-1	Bromobenzene	MSD	REC	103	%	80-120
FA31418-34AMSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	74-97-5	Bromochloromethane	MSD	REC	108	%	78-123
FA31418-34AMSD*	74-97-5	Bromochloromethane	MSD	RPD	1	%	20
FA31418-34AMSD*	75-27-4	Bromodichloromethane	MSD	REC	94	%	79-125
FA31418-34AMSD*	75-27-4	Bromodichloromethane	MSD	RPD	1	%	20
FA31418-34AMSD*	75-25-2	Bromoform	MSD	REC	67	%	66-130
FA31418-34AMSD*	75-25-2	Bromoform	MSD	RPD	24 [a]	%	20
FA31418-34AMSD*	78-93-3	2-Butanone (MEK)	MSD	REC	88	%	56-143
FA31418-34AMSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	8	%	20
FA31418-34AMSD*	104-51-8	n-Butylbenzene	MSD	REC	103	%	75-128
FA31418-34AMSD*	104-51-8	n-Butylbenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	135-98-8	sec-Butylbenzene	MSD	REC	113	%	77-126
FA31418-34AMSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	98-06-6	tert-Butylbenzene	MSD	REC	103	%	78-124
FA31418-34AMSD*	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	75-15-0	Carbon Disulfide	MSD	REC	102	%	64-133
FA31418-34AMSD*	75-15-0	Carbon Disulfide	MSD	RPD	3	%	20
FA31418-34AMSD*	56-23-5	Carbon Tetrachloride	MSD	REC	94	%	72-136
FA31418-34AMSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	10	%	20
FA31418-34AMSD*	108-90-7	Chlorobenzene	MSD	REC	98	%	82-118
FA31418-34AMSD*	108-90-7	Chlorobenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	75-00-3	Chloroethane	MSD	REC	90	%	60-138
FA31418-34AMSD*	75-00-3	Chloroethane	MSD	RPD	15	%	20
FA31418-34AMSD*	67-66-3	Chloroform	MSD	REC	106	%	79-124
FA31418-34AMSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FA31418-34AMSD*	95-49-8	o-Chlorotoluene	MSD	REC	104	%	79-122
FA31418-34AMSD*	95-49-8	o-Chlorotoluene	MSD	RPD	1	%	20
FA31418-34AMSD*	106-43-4	p-Chlorotoluene	MSD	REC	103	%	78-122

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMSD*	106-43-4	p-Chlorotoluene	MSD	RPD	1	%	20
FA31418-34AMSD*	124-48-1	Dibromochloromethane	MSD	REC	78	%	74-126
FA31418-34AMSD*	124-48-1	Dibromochloromethane	MSD	RPD	9	%	20
FA31418-34AMSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	75	%	62-128
FA31418-34AMSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	7	%	20
FA31418-34AMSD*	106-93-4	1,2-Dibromoethane	MSD	REC	95	%	77-121
FA31418-34AMSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	2	%	20
FA31418-34AMSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	95	%	32-152
FA31418-34AMSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FA31418-34AMSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	101	%	80-119
FA31418-34AMSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	106	%	80-119
FA31418-34AMSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	100	%	79-118
FA31418-34AMSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	0	%	20
FA31418-34AMSD*	75-34-3	1,1-Dichloroethane	MSD	REC	105	%	77-125
FA31418-34AMSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	3	%	20
FA31418-34AMSD*	107-06-2	1,2-Dichloroethane	MSD	REC	92	%	73-128
FA31418-34AMSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FA31418-34AMSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	156 [a]	%	71-131
FA31418-34AMSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FA31418-34AMSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	-440 [b]	%	78-123
FA31418-34AMSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	2	%	20
FA31418-34AMSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	117	%	75-124
FA31418-34AMSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FA31418-34AMSD*	78-87-5	1,2-Dichloropropane	MSD	REC	102	%	78-122
FA31418-34AMSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
FA31418-34AMSD*	142-28-9	1,3-Dichloropropane	MSD	REC	90	%	80-119
FA31418-34AMSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
FA31418-34AMSD*	594-20-7	2,2-Dichloropropane	MSD	REC	93	%	60-139
FA31418-34AMSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA31418-34AMSD*	563-58-6	1,1-Dichloropropene	MSD	REC	99	%	79-125
FA31418-34AMSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	2	%	20
FA31418-34AMSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	77	%	75-124
FA31418-34AMSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	7	%	20
FA31418-34AMSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	86	%	73-127
FA31418-34AMSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	8	%	20
FA31418-34AMSD*	100-41-4	Ethylbenzene	MSD	REC	96	%	79-121
FA31418-34AMSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	87-68-3	Hexachlorobutadiene	MSD	REC	88	%	66-134
FA31418-34AMSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	4	%	20
FA31418-34AMSD*	591-78-6	2-Hexanone	MSD	REC	93	%	57-139
FA31418-34AMSD*	591-78-6	2-Hexanone	MSD	RPD	5	%	20
FA31418-34AMSD*	98-82-8	Isopropylbenzene	MSD	REC	95	%	72-131
FA31418-34AMSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMSD*	99-87-6	p-Isopropyltoluene	MSD	REC	93	%	77-127
FA31418-34AMSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	2	%	20
FA31418-34AMSD*	74-83-9	Methyl Bromide	MSD	REC	87	%	53-141
FA31418-34AMSD*	74-83-9	Methyl Bromide	MSD	RPD	9	%	20
FA31418-34AMSD*	74-87-3	Methyl Chloride	MSD	REC	83	%	50-139
FA31418-34AMSD*	74-87-3	Methyl Chloride	MSD	RPD	3	%	20
FA31418-34AMSD*	74-88-4	Methyl Iodide	MSD	REC	110	%	69-131
FA31418-34AMSD*	74-88-4	Methyl Iodide	MSD	RPD	4	%	20
FA31418-34AMSD*	74-95-3	Methylene Bromide	MSD	REC	101	%	79-123
FA31418-34AMSD*	74-95-3	Methylene Bromide	MSD	RPD	2	%	20
FA31418-34AMSD*	75-09-2	Methylene Chloride	MSD	REC	-479 [b]	%	74-124
FA31418-34AMSD*	75-09-2	Methylene Chloride	MSD	RPD	0	%	20
FA31418-34AMSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	97	%	67-130
FA31418-34AMSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	4	%	20
FA31418-34AMSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
FA31418-34AMSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	3	%	20
FA31418-34AMSD*	91-20-3	Naphthalene	MSD	REC	88	%	61-128
FA31418-34AMSD*	91-20-3	Naphthalene	MSD	RPD	9	%	20
FA31418-34AMSD*	103-65-1	n-Propylbenzene	MSD	REC	114	%	76-126
FA31418-34AMSD*	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA31418-34AMSD*	100-42-5	Styrene	MSD	REC	74 [a]	%	78-123
FA31418-34AMSD*	100-42-5	Styrene	MSD	RPD	4	%	20
FA31418-34AMSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	100	%	78-124
FA31418-34AMSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	3	%	20
FA31418-34AMSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	88	%	71-121
FA31418-34AMSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA31418-34AMSD*	127-18-4	Tetrachloroethylene	MSD	REC	98	%	74-129
FA31418-34AMSD*	127-18-4	Tetrachloroethylene	MSD	RPD	6	%	20
FA31418-34AMSD*	108-88-3	Toluene	MSD	REC	99	%	80-121
FA31418-34AMSD*	108-88-3	Toluene	MSD	RPD	2	%	20
FA31418-34AMSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	90	%	69-129
FA31418-34AMSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	10	%	20
FA31418-34AMSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	90	%	69-130
FA31418-34AMSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA31418-34AMSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	96	%	74-131
FA31418-34AMSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA31418-34AMSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	97	%	80-119
FA31418-34AMSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	2	%	20
FA31418-34AMSD*	79-01-6	Trichloroethylene	MSD	REC	-356 [b]	%	79-123
FA31418-34AMSD*	79-01-6	Trichloroethylene	MSD	RPD	3	%	20
FA31418-34AMSD*	75-69-4	Trichlorofluoromethane	MSD	REC	96	%	65-141
FA31418-34AMSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	3	%	20
FA31418-34AMSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	88	%	73-122
FA31418-34AMSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	6	%	20
FA31418-34AMSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	101	%	76-124

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31418-34AMSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	2	%	20
FA31418-34AMSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	102	%	75-124
FA31418-34AMSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	3	%	20
FA31418-34AMSD*	108-05-4	Vinyl Acetate	MSD	REC	97	%	54-146
FA31418-34AMSD*	108-05-4	Vinyl Acetate	MSD	RPD	3	%	20
FA31418-34AMSD*	75-01-4	Vinyl Chloride	MSD	REC	111	%	58-137
FA31418-34AMSD*	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA31418-34AMSD*		m,p-Xylene	MSD	REC	96	%	80-121
FA31418-34AMSD*		m,p-Xylene	MSD	RPD	3	%	20
FA31418-34AMSD*	95-47-6	o-Xylene	MSD	REC	101	%	78-122
FA31418-34AMSD*	95-47-6	o-Xylene	MSD	RPD	2	%	20
FA31418-34AMSD*	1330-20-7	Xylene (total)	MSD	REC	98	%	79-121
FA31418-34AMSD*	1330-20-7	Xylene (total)	MSD	RPD	3	%	20
FA31418-34AMSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FA31418-34AMSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	92	%	81-118
FA31418-34AMSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FA31418-34AMSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
VJ5212-MB	1868-53-7	Dibromofluoromethane	MB	SURR	98	%	80-119
VJ5212-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	94	%	81-118
VJ5212-MB	2037-26-5	Toluene-D8	MB	SURR	103	%	89-112
VJ5212-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	104	%	85-114
MC44325-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44325-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	94	%	81-118
MC44325-1	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44325-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
MC44325-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44325-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
MC44325-2	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
MC44325-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
MC44325-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44325-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
MC44325-3	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
MC44325-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	85-114
MC44325-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44325-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	94	%	81-118
MC44325-4	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
MC44325-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44325-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44325-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	94	%	81-118
MC44325-5	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44325-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
MC44325-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44325-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
MC44325-6	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44325-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	104	%	85-114

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44325-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
MC44325-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	92	%	81-118
MC44325-7	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44325-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
VJ5213	SW846 8260B						
VJ5213-BS	67-64-1	Acetone	BSP	REC	127	%	39-160
VJ5213-BS	71-43-2	Benzene	BSP	REC	103	%	79-120
VJ5213-BS	108-86-1	Bromobenzene	BSP	REC	99	%	80-120
VJ5213-BS	74-97-5	Bromochloromethane	BSP	REC	111	%	78-123
VJ5213-BS	75-27-4	Bromodichloromethane	BSP	REC	104	%	79-125
VJ5213-BS	75-25-2	Bromoform	BSP	REC	94	%	66-130
VJ5213-BS	78-93-3	2-Butanone (MEK)	BSP	REC	105	%	56-143
VJ5213-BS	104-51-8	n-Butylbenzene	BSP	REC	107	%	75-128
VJ5213-BS	135-98-8	sec-Butylbenzene	BSP	REC	114	%	77-126
VJ5213-BS	98-06-6	tert-Butylbenzene	BSP	REC	104	%	78-124
VJ5213-BS	75-15-0	Carbon Disulfide	BSP	REC	120	%	64-133
VJ5213-BS	56-23-5	Carbon Tetrachloride	BSP	REC	108	%	72-136
VJ5213-BS	108-90-7	Chlorobenzene	BSP	REC	101	%	82-118
VJ5213-BS	75-00-3	Chloroethane	BSP	REC	78	%	60-138
VJ5213-BS	67-66-3	Chloroform	BSP	REC	104	%	79-124
VJ5213-BS	95-49-8	o-Chlorotoluene	BSP	REC	104	%	79-122
VJ5213-BS	106-43-4	p-Chlorotoluene	BSP	REC	102	%	78-122
VJ5213-BS	124-48-1	Dibromochloromethane	BSP	REC	96	%	74-126
VJ5213-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	81	%	62-128
VJ5213-BS	106-93-4	1,2-Dibromoethane	BSP	REC	98	%	77-121
VJ5213-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	86	%	32-152
VJ5213-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	101	%	80-119
VJ5213-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	106	%	80-119
VJ5213-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	99	%	79-118
VJ5213-BS	75-34-3	1,1-Dichloroethane	BSP	REC	105	%	77-125
VJ5213-BS	107-06-2	1,2-Dichloroethane	BSP	REC	95	%	73-128
VJ5213-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	111	%	71-131
VJ5213-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	97	%	78-123
VJ5213-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	112	%	75-124
VJ5213-BS	78-87-5	1,2-Dichloropropane	BSP	REC	101	%	78-122
VJ5213-BS	142-28-9	1,3-Dichloropropane	BSP	REC	92	%	80-119
VJ5213-BS	594-20-7	2,2-Dichloropropane	BSP	REC	106	%	60-139
VJ5213-BS	563-58-6	1,1-Dichloropropene	BSP	REC	103	%	79-125
VJ5213-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	96	%	75-124
VJ5213-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	108	%	73-127
VJ5213-BS	100-41-4	Ethylbenzene	BSP	REC	97	%	79-121
VJ5213-BS	87-68-3	Hexachlorobutadiene	BSP	REC	96	%	66-134
VJ5213-BS	591-78-6	2-Hexanone	BSP	REC	102	%	57-139

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5213-BS	98-82-8	Isopropylbenzene	BSP	REC	99	%	72-131
VJ5213-BS	99-87-6	p-Isopropyltoluene	BSP	REC	96	%	77-127
VJ5213-BS	74-83-9	Methyl Bromide	BSP	REC	75	%	53-141
VJ5213-BS	74-87-3	Methyl Chloride	BSP	REC	76	%	50-139
VJ5213-BS	74-88-4	Methyl Iodide	BSP	REC	116	%	69-131
VJ5213-BS	74-95-3	Methylene Bromide	BSP	REC	99	%	79-123
VJ5213-BS	75-09-2	Methylene Chloride	BSP	REC	88	%	74-124
VJ5213-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	96	%	67-130
VJ5213-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	102	%	71-124
VJ5213-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
VJ5213-BS	103-65-1	n-Propylbenzene	BSP	REC	114	%	76-126
VJ5213-BS	100-42-5	Styrene	BSP	REC	104	%	78-123
VJ5213-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	107	%	78-124
VJ5213-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	89	%	71-121
VJ5213-BS	127-18-4	Tetrachloroethylene	BSP	REC	98	%	74-129
VJ5213-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
VJ5213-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	94	%	69-129
VJ5213-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	95	%	69-130
VJ5213-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	100	%	74-131
VJ5213-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	92	%	80-119
VJ5213-BS	79-01-6	Trichloroethylene	BSP	REC	108	%	79-123
VJ5213-BS	75-69-4	Trichlorofluoromethane	BSP	REC	92	%	65-141
VJ5213-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	89	%	73-122
VJ5213-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	104	%	76-124
VJ5213-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	106	%	75-124
VJ5213-BS	108-05-4	Vinyl Acetate	BSP	REC	108	%	54-146
VJ5213-BS	75-01-4	Vinyl Chloride	BSP	REC	83	%	58-137
VJ5213-BS		m,p-Xylene	BSP	REC	100	%	80-121
VJ5213-BS	95-47-6	o-Xylene	BSP	REC	106	%	78-122
VJ5213-BS	1330-20-7	Xylene (total)	BSP	REC	102	%	79-121
VJ5213-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	102	%	80-119
VJ5213-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VJ5213-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
VJ5213-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	96	%	85-114
FA31521-2MS*	67-64-1	Acetone	MS	REC	86	%	39-160
FA31521-2MS*	71-43-2	Benzene	MS	REC	109	%	79-120
FA31521-2MS*	108-86-1	Bromobenzene	MS	REC	102	%	80-120
FA31521-2MS*	74-97-5	Bromochloromethane	MS	REC	105	%	78-123
FA31521-2MS*	75-27-4	Bromodichloromethane	MS	REC	98	%	79-125
FA31521-2MS*	75-25-2	Bromoform	MS	REC	63 c	%	66-130
FA31521-2MS*	78-93-3	2-Butanone (MEK)	MS	REC	91	%	56-143
FA31521-2MS*	104-51-8	n-Butylbenzene	MS	REC	106	%	75-128
FA31521-2MS*	135-98-8	sec-Butylbenzene	MS	REC	114	%	77-126
FA31521-2MS*	98-06-6	tert-Butylbenzene	MS	REC	102	%	78-124
FA31521-2MS*	75-15-0	Carbon Disulfide	MS	REC	100	%	64-133

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31521-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	108	%	72-136
FA31521-2MS*	108-90-7	Chlorobenzene	MS	REC	105	%	82-118
FA31521-2MS*	75-00-3	Chloroethane	MS	REC	83	%	60-138
FA31521-2MS*	67-66-3	Chloroform	MS	REC	109	%	79-124
FA31521-2MS*	95-49-8	o-Chlorotoluene	MS	REC	120	%	79-122
FA31521-2MS*	106-43-4	p-Chlorotoluene	MS	REC	103	%	78-122
FA31521-2MS*	124-48-1	Dibromochloromethane	MS	REC	75 [c]	%	74-126
FA31521-2MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	90	%	62-128
FA31521-2MS*	106-93-4	1,2-Dibromoethane	MS	REC	98	%	77-121
FA31521-2MS*	75-71-8	Dichlorodifluoromethane	MS	REC	78	%	32-152
FA31521-2MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	105	%	80-119
FA31521-2MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	108	%	80-119
FA31521-2MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	104	%	79-118
FA31521-2MS*	75-34-3	1,1-Dichloroethane	MS	REC	108	%	77-125
FA31521-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	98	%	73-128
FA31521-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	115	%	71-131
FA31521-2MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	101	%	78-123
FA31521-2MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	116	%	75-124
FA31521-2MS*	78-87-5	1,2-Dichloropropane	MS	REC	106	%	78-122
FA31521-2MS*	142-28-9	1,3-Dichloropropane	MS	REC	92	%	80-119
FA31521-2MS*	594-20-7	2,2-Dichloropropane	MS	REC	99	%	60-139
FA31521-2MS*	563-58-6	1,1-Dichloropropene	MS	REC	106	%	79-125
FA31521-2MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	93	%	75-124
FA31521-2MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	98	%	73-127
FA31521-2MS*	100-41-4	Ethylbenzene	MS	REC	111	%	79-121
FA31521-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	81	%	66-134
FA31521-2MS*	591-78-6	2-Hexanone	MS	REC	84	%	57-139
FA31521-2MS*	98-82-8	Isopropylbenzene	MS	REC	103	%	72-131
FA31521-2MS*	99-87-6	p-Isopropyltoluene	MS	REC	95	%	77-127
FA31521-2MS*	74-83-9	Methyl Bromide	MS	REC	79	%	53-141
FA31521-2MS*	74-87-3	Methyl Chloride	MS	REC	72	%	50-139
FA31521-2MS*	74-88-4	Methyl Iodide	MS	REC	106	%	69-131
FA31521-2MS*	74-95-3	Methylene Bromide	MS	REC	106	%	79-123
FA31521-2MS*	75-09-2	Methylene Chloride	MS	REC	97	%	74-124
FA31521-2MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	88	%	67-130
FA31521-2MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	92	%	71-124
FA31521-2MS*	91-20-3	Naphthalene	MS	REC	112	%	61-128
FA31521-2MS*	103-65-1	n-Propylbenzene	MS	REC	116	%	76-126
FA31521-2MS*	100-42-5	Styrene	MS	REC	106	%	78-123
FA31521-2MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	102	%	78-124
FA31521-2MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	94	%	71-121
FA31521-2MS*	127-18-4	Tetrachloroethylene	MS	REC	97	%	74-129
FA31521-2MS*	108-88-3	Toluene	MS	REC	96	%	80-121
FA31521-2MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	95	%	69-129
FA31521-2MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	98	%	69-130

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31521-2MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	103	%	74-131
FA31521-2MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	106	%	80-119
FA31521-2MS*	79-01-6	Trichloroethylene	MS	REC	115	%	79-123
FA31521-2MS*	75-69-4	Trichlorofluoromethane	MS	REC	92	%	65-141
FA31521-2MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	90	%	73-122
FA31521-2MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	120	%	76-124
FA31521-2MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	124 [c]	%	75-124
FA31521-2MS*	108-05-4	Vinyl Acetate	MS	REC	94	%	54-146
FA31521-2MS*	75-01-4	Vinyl Chloride	MS	REC	82	%	58-137
FA31521-2MS*		m,p-Xylene	MS	REC	-400 [b]	%	80-121
FA31521-2MS*	95-47-6	o-Xylene	MS	REC	102	%	78-122
FA31521-2MS*	1330-20-7	Xylene (total)	MS	REC	-233 [b]	%	79-121
FA31521-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
FA31521-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	92	%	81-118
FA31521-2MS*	2037-26-5	Toluene-D8	MS	SURR	95	%	89-112
FA31521-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
FA31521-2MSD*	67-64-1	Acetone	MSD	REC	85	%	39-160
FA31521-2MSD*	67-64-1	Acetone	MSD	RPD	1	%	20
FA31521-2MSD*	71-43-2	Benzene	MSD	REC	108	%	79-120
FA31521-2MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FA31521-2MSD*	108-86-1	Bromobenzene	MSD	REC	102	%	80-120
FA31521-2MSD*	108-86-1	Bromobenzene	MSD	RPD	0	%	20
FA31521-2MSD*	74-97-5	Bromochloromethane	MSD	REC	106	%	78-123
FA31521-2MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
FA31521-2MSD*	75-27-4	Bromodichloromethane	MSD	REC	94	%	79-125
FA31521-2MSD*	75-27-4	Bromodichloromethane	MSD	RPD	4	%	20
FA31521-2MSD*	75-25-2	Bromoform	MSD	REC	69	%	66-130
FA31521-2MSD*	75-25-2	Bromoform	MSD	RPD	9	%	20
FA31521-2MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	93	%	56-143
FA31521-2MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA31521-2MSD*	104-51-8	n-Butylbenzene	MSD	REC	104	%	75-128
FA31521-2MSD*	104-51-8	n-Butylbenzene	MSD	RPD	2	%	20
FA31521-2MSD*	135-98-8	sec-Butylbenzene	MSD	REC	111	%	77-126
FA31521-2MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	2	%	20
FA31521-2MSD*	98-06-6	tert-Butylbenzene	MSD	REC	102	%	78-124
FA31521-2MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	1	%	20
FA31521-2MSD*	75-15-0	Carbon Disulfide	MSD	REC	93	%	64-133
FA31521-2MSD*	75-15-0	Carbon Disulfide	MSD	RPD	7	%	20
FA31521-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	101	%	72-136
FA31521-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FA31521-2MSD*	108-90-7	Chlorobenzene	MSD	REC	106	%	82-118
FA31521-2MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
FA31521-2MSD*	75-00-3	Chloroethane	MSD	REC	77	%	60-138
FA31521-2MSD*	75-00-3	Chloroethane	MSD	RPD	8	%	20
FA31521-2MSD*	67-66-3	Chloroform	MSD	REC	109	%	79-124

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31521-2MSD*	67-66-3	Chloroform	MSD	RPD	0	%	20
FA31521-2MSD*	95-49-8	o-Chlorotoluene	MSD	REC	118	%	79-122
FA31521-2MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	1	%	20
FA31521-2MSD*	106-43-4	p-Chlorotoluene	MSD	REC	105	%	78-122
FA31521-2MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
FA31521-2MSD*	124-48-1	Dibromochloromethane	MSD	REC	79	%	74-126
FA31521-2MSD*	124-48-1	Dibromochloromethane	MSD	RPD	5	%	20
FA31521-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	88	%	62-128
FA31521-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	3	%	20
FA31521-2MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	96	%	77-121
FA31521-2MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	2	%	20
FA31521-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	78	%	32-152
FA31521-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FA31521-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	104	%	80-119
FA31521-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
FA31521-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	106	%	80-119
FA31521-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
FA31521-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	102	%	79-118
FA31521-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
FA31521-2MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	107	%	77-125
FA31521-2MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FA31521-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	98	%	73-128
FA31521-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	1	%	20
FA31521-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	118	%	71-131
FA31521-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	3	%	20
FA31521-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	102	%	78-123
FA31521-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA31521-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	116	%	75-124
FA31521-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FA31521-2MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	107	%	78-122
FA31521-2MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	1	%	20
FA31521-2MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	93	%	80-119
FA31521-2MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	1	%	20
FA31521-2MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	99	%	60-139
FA31521-2MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	0	%	20
FA31521-2MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	106	%	79-125
FA31521-2MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
FA31521-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	89	%	75-124
FA31521-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	4	%	20
FA31521-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	97	%	73-127
FA31521-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	2	%	20
FA31521-2MSD*	100-41-4	Ethylbenzene	MSD	REC	108	%	79-121
FA31521-2MSD*	100-41-4	Ethylbenzene	MSD	RPD	1	%	20
FA31521-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	81	%	66-134
FA31521-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	0	%	20

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31521-2MSD*	591-78-6	2-Hexanone	MSD	REC	88	%	57-139
FA31521-2MSD*	591-78-6	2-Hexanone	MSD	RPD	4	%	20
FA31521-2MSD*	98-82-8	Isopropylbenzene	MSD	REC	101	%	72-131
FA31521-2MSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20
FA31521-2MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	93	%	77-127
FA31521-2MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	2	%	20
FA31521-2MSD*	74-83-9	Methyl Bromide	MSD	REC	75	%	53-141
FA31521-2MSD*	74-83-9	Methyl Bromide	MSD	RPD	6	%	20
FA31521-2MSD*	74-87-3	Methyl Chloride	MSD	REC	69	%	50-139
FA31521-2MSD*	74-87-3	Methyl Chloride	MSD	RPD	3	%	20
FA31521-2MSD*	74-88-4	Methyl Iodide	MSD	REC	113	%	69-131
FA31521-2MSD*	74-88-4	Methyl Iodide	MSD	RPD	6	%	20
FA31521-2MSD*	74-95-3	Methylene Bromide	MSD	REC	102	%	79-123
FA31521-2MSD*	74-95-3	Methylene Bromide	MSD	RPD	4	%	20
FA31521-2MSD*	75-09-2	Methylene Chloride	MSD	REC	94	%	74-124
FA31521-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FA31521-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	92	%	67-130
FA31521-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	4	%	20
FA31521-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	96	%	71-124
FA31521-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	4	%	20
FA31521-2MSD*	91-20-3	Naphthalene	MSD	REC	115	%	61-128
FA31521-2MSD*	91-20-3	Naphthalene	MSD	RPD	1	%	20
FA31521-2MSD*	103-65-1	n-Propylbenzene	MSD	REC	114	%	76-126
FA31521-2MSD*	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA31521-2MSD*	100-42-5	Styrene	MSD	REC	105	%	78-123
FA31521-2MSD*	100-42-5	Styrene	MSD	RPD	1	%	20
FA31521-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	102	%	78-124
FA31521-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	1	%	20
FA31521-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	94	%	71-121
FA31521-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	0	%	20
FA31521-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	98	%	74-129
FA31521-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	1	%	20
FA31521-2MSD*	108-88-3	Toluene	MSD	REC	97	%	80-121
FA31521-2MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
FA31521-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	98	%	69-129
FA31521-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	2	%	20
FA31521-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	99	%	69-130
FA31521-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	1	%	20
FA31521-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	102	%	74-131
FA31521-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	2	%	20
FA31521-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	95	%	80-119
FA31521-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	11	%	20
FA31521-2MSD*	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA31521-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA31521-2MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	88	%	65-141

* Sample used for QC is not from job MC44325

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31521-2MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	4	%	20
FA31521-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	94	%	73-122
FA31521-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	4	%	20
FA31521-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	112	%	76-124
FA31521-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	2	%	20
FA31521-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	122 [c]	%	75-124
FA31521-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	1	%	20
FA31521-2MSD*	108-05-4	Vinyl Acetate	MSD	REC	95	%	54-146
FA31521-2MSD*	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
FA31521-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	78	%	58-137
FA31521-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	5	%	20
FA31521-2MSD*		m,p-Xylene	MSD	REC	-400 [b]	%	80-121
FA31521-2MSD*		m,p-Xylene	MSD	RPD	0	%	20
FA31521-2MSD*	95-47-6	o-Xylene	MSD	REC	99	%	78-122
FA31521-2MSD*	95-47-6	o-Xylene	MSD	RPD	1	%	20
FA31521-2MSD*	1330-20-7	Xylene (total)	MSD	REC	-233 [b]	%	79-121
FA31521-2MSD*	1330-20-7	Xylene (total)	MSD	RPD	1	%	20
FA31521-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FA31521-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	95	%	81-118
FA31521-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FA31521-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5213-MB	1868-53-7	Dibromofluoromethane	MB	SURR	100	%	80-119
VJ5213-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	95	%	81-118
VJ5213-MB	2037-26-5	Toluene-D8	MB	SURR	102	%	89-112
VJ5213-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	104	%	85-114
MC44325-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44325-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
MC44325-5	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44325-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44325-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44325-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
MC44325-7	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44325-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	104	%	85-114

(a) Outside DOD QSM control limits.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits.

* Sample used for QC is not from job MC44325

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-MB	J0974457.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-MB	J0974457.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-MB	J0974457.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	103%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

Method Blank Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5213-MB	J0974486.D	1	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5213-MB	J0974486.D	1	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5213-MB	J0974486.D	1	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

Blank Spike Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-BS	J0974456.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	50-147
71-43-2	Benzene	25	27.5	110	81-122
108-86-1	Bromobenzene	25	27.2	109	80-121
74-97-5	Bromochloromethane	25	28.7	115	76-123
75-27-4	Bromodichloromethane	25	27.2	109	79-123
75-25-2	Bromoform	25	24.5	98	66-123
78-93-3	2-Butanone (MEK)	125	118	94	56-143
104-51-8	n-Butylbenzene	25	29.2	117	79-126
135-98-8	sec-Butylbenzene	25	30.9	124	83-133
98-06-6	tert-Butylbenzene	25	27.9	112	80-133
75-15-0	Carbon Disulfide	25	32.0	128	66-148
56-23-5	Carbon Tetrachloride	25	28.0	112	76-136
108-90-7	Chlorobenzene	25	26.6	106	82-124
75-00-3	Chloroethane	25	26.0	104	62-144
67-66-3	Chloroform	25	28.0	112	80-124
95-49-8	o-Chlorotoluene	25	28.4	114	81-127
106-43-4	p-Chlorotoluene	25	27.7	111	83-130
124-48-1	Dibromochloromethane	25	25.2	101	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	20.9	84	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
75-71-8	Dichlorodifluoromethane	25	27.5	110	42-167
95-50-1	1,2-Dichlorobenzene	25	26.9	108	82-124
541-73-1	1,3-Dichlorobenzene	25	28.8	115	84-125
106-46-7	1,4-Dichlorobenzene	25	26.9	108	78-120
75-34-3	1,1-Dichloroethane	25	27.8	111	81-122
107-06-2	1,2-Dichloroethane	25	24.6	98	75-125
75-35-4	1,1-Dichloroethylene	25	29.3	117	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.2	105	78-120
156-60-5	trans-1,2-Dichloroethylene	25	30.0	120	76-127
78-87-5	1,2-Dichloropropane	25	26.5	106	76-124
142-28-9	1,3-Dichloropropane	25	24.2	97	80-118
594-20-7	2,2-Dichloropropane	25	28.0	112	74-139
563-58-6	1,1-Dichloropropene	25	27.3	109	79-131
10061-01-5	cis-1,3-Dichloropropene	25	25.4	102	75-118
10061-02-6	trans-1,3-Dichloropropene	25	29.0	116	80-120
100-41-4	Ethylbenzene	25	26.0	104	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-BS	J0974456.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	25.2	101	75-142
591-78-6	2-Hexanone	125	122	98	61-129
98-82-8	Isopropylbenzene	25	26.5	106	83-132
99-87-6	p-Isopropyltoluene	25	25.8	103	79-130
74-83-9	Methyl Bromide	25	24.4	98	59-143
74-87-3	Methyl Chloride	25	23.9	96	50-159
74-88-4	Methyl Iodide	25	31.1	124*	73-123
74-95-3	Methylene Bromide	25	25.7	103	78-119
75-09-2	Methylene Chloride	25	22.9	92	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	115	92	66-122
1634-04-4	Methyl Tert Butyl Ether	25	26.3	105	72-117
91-20-3	Naphthalene	25	23.6	94	63-132
103-65-1	n-Propylbenzene	25	31.3	125	82-133
100-42-5	Styrene	25	27.9	112	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.7	111	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	72-120
127-18-4	Tetrachloroethylene	25	26.3	105	76-135
108-88-3	Toluene	25	26.8	107	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.1	96	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.1	100	73-129
71-55-6	1,1,1-Trichloroethane	25	26.9	108	75-130
79-00-5	1,1,2-Trichloroethane	25	25.3	101	76-119
79-01-6	Trichloroethylene	25	28.6	114	81-126
75-69-4	Trichlorofluoromethane	25	25.8	103	71-156
96-18-4	1,2,3-Trichloropropane	25	22.9	92	77-120
95-63-6	1,2,4-Trimethylbenzene	25	28.5	114	79-120
108-67-8	1,3,5-Trimethylbenzene	25	28.5	114	79-120
108-05-4	Vinyl Acetate	125	125	100	43-154
75-01-4	Vinyl Chloride	25	24.7	99	69-159
	m,p-Xylene	50	53.2	106	79-126
95-47-6	o-Xylene	25	28.1	112	80-127
1330-20-7	Xylene (total)	75	81.3	108	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5212-BS	J0974456.D	1	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5213-BS	J0974485.D	1	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	159	127	50-147
71-43-2	Benzene	25	25.7	103	81-122
108-86-1	Bromobenzene	25	24.8	99	80-121
74-97-5	Bromochloromethane	25	27.7	111	76-123
75-27-4	Bromodichloromethane	25	25.9	104	79-123
75-25-2	Bromoform	25	23.5	94	66-123
78-93-3	2-Butanone (MEK)	125	131	105	56-143
104-51-8	n-Butylbenzene	25	26.7	107	79-126
135-98-8	sec-Butylbenzene	25	28.5	114	83-133
98-06-6	tert-Butylbenzene	25	26.0	104	80-133
75-15-0	Carbon Disulfide	25	30.1	120	66-148
56-23-5	Carbon Tetrachloride	25	27.1	108	76-136
108-90-7	Chlorobenzene	25	25.2	101	82-124
75-00-3	Chloroethane	25	19.4	78	62-144
67-66-3	Chloroform	25	25.9	104	80-124
95-49-8	o-Chlorotoluene	25	26.0	104	81-127
106-43-4	p-Chlorotoluene	25	25.6	102	83-130
124-48-1	Dibromochloromethane	25	24.1	96	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	20.2	81	64-123
106-93-4	1,2-Dibromoethane	25	24.6	98	75-120
75-71-8	Dichlorodifluoromethane	25	21.6	86	42-167
95-50-1	1,2-Dichlorobenzene	25	25.3	101	82-124
541-73-1	1,3-Dichlorobenzene	25	26.6	106	84-125
106-46-7	1,4-Dichlorobenzene	25	24.8	99	78-120
75-34-3	1,1-Dichloroethane	25	26.3	105	81-122
107-06-2	1,2-Dichloroethane	25	23.8	95	75-125
75-35-4	1,1-Dichloroethylene	25	27.8	111	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.3	97	78-120
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	76-127
78-87-5	1,2-Dichloropropane	25	25.3	101	76-124
142-28-9	1,3-Dichloropropane	25	23.1	92	80-118
594-20-7	2,2-Dichloropropane	25	26.5	106	74-139
563-58-6	1,1-Dichloropropene	25	25.8	103	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.0	96	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	80-120
100-41-4	Ethylbenzene	25	24.3	97	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5213-BS	J0974485.D	1	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	24.0	96	75-142
591-78-6	2-Hexanone	125	127	102	61-129
98-82-8	Isopropylbenzene	25	24.7	99	83-132
99-87-6	p-Isopropyltoluene	25	23.9	96	79-130
74-83-9	Methyl Bromide	25	18.8	75	59-143
74-87-3	Methyl Chloride	25	19.1	76	50-159
74-88-4	Methyl Iodide	25	28.9	116	73-123
74-95-3	Methylene Bromide	25	24.7	99	78-119
75-09-2	Methylene Chloride	25	22.0	88	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	120	96	66-122
1634-04-4	Methyl Tert Butyl Ether	25	25.4	102	72-117
91-20-3	Naphthalene	25	23.1	92	63-132
103-65-1	n-Propylbenzene	25	28.6	114	82-133
100-42-5	Styrene	25	26.1	104	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	26.7	107	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.2	89	72-120
127-18-4	Tetrachloroethylene	25	24.4	98	76-135
108-88-3	Toluene	25	25.1	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	23.4	94	68-131
120-82-1	1,2,4-Trichlorobenzene	25	23.8	95	73-129
71-55-6	1,1,1-Trichloroethane	25	25.0	100	75-130
79-00-5	1,1,2-Trichloroethane	25	23.1	92	76-119
79-01-6	Trichloroethylene	25	27.1	108	81-126
75-69-4	Trichlorofluoromethane	25	23.1	92	71-156
96-18-4	1,2,3-Trichloropropane	25	22.3	89	77-120
95-63-6	1,2,4-Trimethylbenzene	25	26.0	104	79-120
108-67-8	1,3,5-Trimethylbenzene	25	26.4	106	79-120
108-05-4	Vinyl Acetate	125	135	108	43-154
75-01-4	Vinyl Chloride	25	20.7	83	69-159
	m,p-Xylene	50	49.8	100	79-126
95-47-6	o-Xylene	25	26.4	106	80-127
1330-20-7	Xylene (total)	75	76.2	102	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5213-BS	J0974485.D	1	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31418-34AMS	J0974479.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34AMSD	J0974480.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34A	J0974474.D	50	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Compound	FA31418-34A ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	102	82	125	109	87	7	50-147/21
71-43-2	Benzene	ND		25	26.6	106	25	26.2	105	2	81-122/14
108-86-1	Bromobenzene	ND		25	25.4	102	25	25.7	103	1	80-121/14
74-97-5	Bromochloromethane	ND		25	27.2	109	25	26.9	108	1	76-123/14
75-27-4	Bromodichloromethane	ND		25	23.4	94	25	23.6	94	1	79-123/19
75-25-2	Bromoform	ND		25	13.1	52* [a]	25	16.7	67	24* [a]	66-123/21
78-93-3	2-Butanone (MEK)	ND		125	102	82	125	110	88	8	56-143/18
104-51-8	n-Butylbenzene	ND		25	26.0	104	25	25.7	103	1	79-126/16
135-98-8	sec-Butylbenzene	ND		25	28.5	114	25	28.2	113	1	83-133/16
98-06-6	tert-Butylbenzene	ND		25	25.7	103	25	25.8	103	0	80-133/16
75-15-0	Carbon Disulfide	ND		25	26.3	105	25	25.4	102	3	66-148/23
56-23-5	Carbon Tetrachloride	ND		25	26.2	105	25	23.6	94	10	76-136/23
108-90-7	Chlorobenzene	ND		25	25.2	101	25	24.6	98	2	82-124/14
75-00-3	Chloroethane	ND		25	26.3	105	25	22.6	90	15	62-144/20
67-66-3	Chloroform	ND		25	26.7	107	25	26.5	106	1	80-124/15
95-49-8	o-Chlorotoluene	ND		25	26.4	106	25	26.1	104	1	81-127/15
106-43-4	p-Chlorotoluene	ND		25	25.5	102	25	25.8	103	1	83-130/15
124-48-1	Dibromochloromethane	ND		25	18.0	72* [a]	25	19.6	78	9	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	17.6	70	25	18.8	75	7	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	23.3	93	25	23.8	95	2	75-120/13
75-71-8	Dichlorodifluoromethane	ND		25	24.0	96	25	23.8	95	1	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		25	25.3	101	25	25.3	101	0	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		25	26.4	106	25	26.5	106	0	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		25	25.1	100	25	25.1	100	0	78-120/15
75-34-3	1,1-Dichloroethane	ND		25	27.0	108	25	26.3	105	3	81-122/15
107-06-2	1,2-Dichloroethane	ND		25	22.9	92	25	23.0	92	0	75-125/14
75-35-4	1,1-Dichloroethylene	ND		25	39.5	158* [a]	25	38.9	156* [a]	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1240		25	1150	-360* [b]	25	1130	-440* [b]	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.3	117	25	29.2	117	0	76-127/17
78-87-5	1,2-Dichloropropane	ND		25	24.9	100	25	25.4	102	2	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	22.6	90	25	22.6	90	0	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	23.5	94	25	23.2	93	1	74-139/17
563-58-6	1,1-Dichloropropene	ND		25	25.2	101	25	24.8	99	2	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		25	20.5	82	25	19.2	77	7	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.4	94	25	21.5	86	8	80-120/22
100-41-4	Ethylbenzene	ND		25	24.5	98	25	23.9	96	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31418-34AMS	J0974479.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34AMSD	J0974480.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34A	J0974474.D	50	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Compound	FA31418-34A ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	ND		25	21.2	85	25	22.0	88	4	75-142/19
591-78-6	2-Hexanone	ND		125	110	88	125	116	93	5	61-129/18
98-82-8	Isopropylbenzene	ND		25	24.2	97	25	23.7	95	2	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	23.6	94	25	23.2	93	2	79-130/16
74-83-9	Methyl Bromide	ND		25	23.9	96	25	21.8	87	9	59-143/19
74-87-3	Methyl Chloride	ND		25	21.5	86	25	20.8	83	3	50-159/19
74-88-4	Methyl Iodide	ND		25	26.4	106	25	27.4	110	4	73-123/16
74-95-3	Methylene Bromide	ND		25	25.8	103	25	25.2	101	2	78-119/14
75-09-2	Methylene Chloride	142		25	22.2	-479* [b]	25	22.2	-479* [b]	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		125	116	93	125	121	97	4	66-122/16
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.9	92	25	23.6	94	3	72-117/14
91-20-3	Naphthalene	ND		25	20.1	80	25	21.9	88	9	63-132/25
103-65-1	n-Propylbenzene	ND		25	28.7	115	25	28.4	114	1	82-133/15
100-42-5	Styrene	ND		25	17.6	70* [a]	25	18.4	74* [a]	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.7	103	25	24.9	100	3	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	21.3	85	25	22.1	88	4	72-120/14
127-18-4	Tetrachloroethylene	ND		25	26.0	104	25	24.6	98	6	76-135/16
108-88-3	Toluene	ND		25	25.2	101	25	24.7	99	2	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	20.2	81	25	22.4	90	10	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		25	21.1	84	25	22.4	90	6	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		25	24.2	97	25	23.9	96	1	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		25	24.8	99	25	24.3	97	2	76-119/14
79-01-6	Trichloroethylene	497		25	420	-308* [b]	25	408	-356* [b]	3	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	24.9	100	25	24.1	96	3	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		25	20.9	84	25	22.1	88	6	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.7	103	25	25.3	101	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	25	25.4	102	3	79-120/19
108-05-4	Vinyl Acetate	ND		125	118	94	125	121	97	3	43-154/14
75-01-4	Vinyl Chloride	ND		25	28.8	115	25	27.8	111	4	69-159/18
	m,p-Xylene	ND		50	49.4	99	50	48.1	96	3	79-126/15
95-47-6	o-Xylene	ND		25	25.8	103	25	25.2	101	2	80-127/14
1330-20-7	Xylene (total)	ND		75	75.2	100	75	73.3	98	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31418-34AMS	J0974479.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34AMSD	J0974480.D	1	02/19/16	DP	n/a	n/a	VJ5212
FA31418-34A	J0974474.D	50	02/19/16	DP	n/a	n/a	VJ5212

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-6, MC44325-7

CAS No.	Surrogate Recoveries	MS	MSD	FA31418-34A	Limits
1868-53-7	Dibromofluoromethane	102%	101%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	92%	93%	79-125%
2037-26-5	Toluene-D8	98%	97%	105%	85-112%
460-00-4	4-Bromofluorobenzene	95%	96%	103%	83-118%

(a) Outside DOD QSM control limits.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31521-2MS	J0974507.D	5	02/22/16	DP	n/a	n/a	VJ5213
FA31521-2MSD	J0974508.D	5	02/22/16	DP	n/a	n/a	VJ5213
FA31521-2	J0974489.D	5	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Compound	FA31521-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	105	J	625	640	86	625	634	85	1	50-147/21
71-43-2	Benzene	13.8		125	150	109	125	149	108	1	81-122/14
108-86-1	Bromobenzene	ND		125	128	102	125	128	102	0	80-121/14
74-97-5	Bromochloromethane	ND		125	131	105	125	133	106	2	76-123/14
75-27-4	Bromodichloromethane	ND		125	123	98	125	118	94	4	79-123/19
75-25-2	Bromoform	ND		125	78.5	63* [a]	125	85.9	69	9	66-123/21
78-93-3	2-Butanone (MEK)	ND		625	571	91	625	580	93	2	56-143/18
104-51-8	n-Butylbenzene	3.6	J	125	136	106	125	133	104	2	79-126/16
135-98-8	sec-Butylbenzene	2.0	J	125	144	114	125	141	111	2	83-133/16
98-06-6	tert-Butylbenzene	ND		125	128	102	125	127	102	1	80-133/16
75-15-0	Carbon Disulfide	ND		125	125	100	125	116	93	7	66-148/23
56-23-5	Carbon Tetrachloride	ND		125	135	108	125	126	101	7	76-136/23
108-90-7	Chlorobenzene	ND		125	131	105	125	132	106	1	82-124/14
75-00-3	Chloroethane	ND		125	104	83	125	96.3	77	8	62-144/20
67-66-3	Chloroform	1.8	J	125	138	109	125	138	109	0	80-124/15
95-49-8	o-Chlorotoluene	ND		125	150	120	125	148	118	1	81-127/15
106-43-4	p-Chlorotoluene	ND		125	129	103	125	131	105	2	83-130/15
124-48-1	Dibromochloromethane	ND		125	93.8	75* [a]	125	99.0	79	5	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		125	113	90	125	110	88	3	64-123/18
106-93-4	1,2-Dibromoethane	ND		125	123	98	125	120	96	2	75-120/13
75-71-8	Dichlorodifluoromethane	ND		125	97.9	78	125	97.2	78	1	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		125	131	105	125	130	104	1	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		125	135	108	125	133	106	1	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		125	130	104	125	128	102	2	78-120/15
75-34-3	1,1-Dichloroethane	ND		125	135	108	125	134	107	1	81-122/15
107-06-2	1,2-Dichloroethane	ND		125	122	98	125	123	98	1	75-125/14
75-35-4	1,1-Dichloroethylene	ND		125	144	115	125	148	118	3	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		125	126	101	125	127	102	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		125	145	116	125	145	116	0	76-127/17
78-87-5	1,2-Dichloropropane	ND		125	133	106	125	134	107	1	76-124/14
142-28-9	1,3-Dichloropropane	ND		125	115	92	125	116	93	1	80-118/13
594-20-7	2,2-Dichloropropane	ND		125	124	99	125	124	99	0	74-139/17
563-58-6	1,1-Dichloropropene	ND		125	133	106	125	133	106	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		125	116	93	125	111	89	4	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		125	123	98	125	121	97	2	80-120/22
100-41-4	Ethylbenzene	190		125	329	111	125	325	108	1	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31521-2MS	J0974507.D	5	02/22/16	DP	n/a	n/a	VJ5213
FA31521-2MSD	J0974508.D	5	02/22/16	DP	n/a	n/a	VJ5213
FA31521-2	J0974489.D	5	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Compound	FA31521-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	ND		125	101	81	125	101	81	0	75-142/19
591-78-6	2-Hexanone	ND		625	528	84	625	547	88	4	61-129/18
98-82-8	Isopropylbenzene	7.3		125	136	103	125	133	101	2	83-132/15
99-87-6	p-Isopropyltoluene	1.8	J	125	120	95	125	118	93	2	79-130/16
74-83-9	Methyl Bromide	ND		125	99.3	79	125	93.2	75	6	59-143/19
74-87-3	Methyl Chloride	ND		125	89.8	72	125	86.8	69	3	50-159/19
74-88-4	Methyl Iodide	ND		125	133	106	125	141	113	6	73-123/16
74-95-3	Methylene Bromide	ND		125	132	106	125	127	102	4	78-119/14
75-09-2	Methylene Chloride	11.0	J	125	132	97	125	129	94	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		625	551	88	625	575	92	4	66-122/16
1634-04-4	Methyl Tert Butyl Ether	ND		125	115	92	125	120	96	4	72-117/14
91-20-3	Naphthalene	95.5		125	236	112	125	239	115	1	63-132/25
103-65-1	n-Propylbenzene	28.3		125	173	116	125	171	114	1	82-133/15
100-42-5	Styrene	ND		125	132	106	125	131	105	1	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		125	128	102	125	127	102	1	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	117	94	125	117	94	0	72-120/14
127-18-4	Tetrachloroethylene	ND		125	121	97	125	122	98	1	76-135/16
108-88-3	Toluene	66.0		125	186	96	125	187	97	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		125	119	95	125	122	98	2	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		125	123	98	125	124	99	1	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		125	129	103	125	127	102	2	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		125	133	106	125	119	95	11	76-119/14
79-01-6	Trichloroethylene	ND		125	144	115	125	145	116	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		125	115	92	125	110	88	4	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		125	112	90	125	117	94	4	77-120/16
95-63-6	1,2,4-Trimethylbenzene	325		125	475	120	125	465	112	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	112		125	267	124* [a]	125	264	122* [a]	1	79-120/19
108-05-4	Vinyl Acetate	ND		625	587	94	625	591	95	1	43-154/14
75-01-4	Vinyl Chloride	ND		125	103	82	125	97.8	78	5	69-159/18
	m,p-Xylene	999		250	ND	-400* [b]	250	ND	-400* [b]	nc	79-126/15
95-47-6	o-Xylene	201		125	328	102	125	325	99	1	80-127/14
1330-20-7	Xylene (total)	1200		375	328	-233* [b]	375	325	-233* [b]	1	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31521-2MS	J0974507.D	5	02/22/16	DP	n/a	n/a	VJ5213
FA31521-2MSD	J0974508.D	5	02/22/16	DP	n/a	n/a	VJ5213
FA31521-2	J0974489.D	5	02/22/16	DP	n/a	n/a	VJ5213

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44325-5, MC44325-7

CAS No.	Surrogate Recoveries	MS	MSD	FA31521-2	Limits
1868-53-7	Dibromofluoromethane	100%	102%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	95%	97%	79-125%
2037-26-5	Toluene-D8	95%	96%	99%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	94%	83-118%

(a) Outside control limits.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44325
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44325-1	J0974463.D	98	94	103	105
MC44325-2	J0974464.D	98	95	101	105
MC44325-3	J0974465.D	97	95	101	107
MC44325-4	J0974466.D	99	94	100	103
MC44325-5	J0974500.D	98	97	103	103
MC44325-5	J0974467.D	97	94	104	105
MC44325-6	J0974468.D	97	95	104	104
MC44325-7	J0974469.D	96	92	104	105
MC44325-7	J0974501.D	99	95	103	104
FA31418-34AMS	J0974479.D	102	94	98	95
FA31418-34AMSD	J0974480.D	101	92	97	96
FA31521-2MS	J0974507.D	100	92	95	94
FA31521-2MSD	J0974508.D	102	95	96	95
VJ5212-BS	J0974456.D	101	96	99	97
VJ5212-MB	J0974457.D	98	94	103	104
VJ5213-BS	J0974485.D	102	94	98	96
VJ5213-MB	J0974486.D	100	95	102	104

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

Page 1 of 1

FED-EX Tracking # 6595 2492 2899
SGS Accutest Quote #
Bottle Order Control #
SGS Accutest Job MC44325

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City / State / Zip: Marlbourough, MA 0175:
Project Contact / E-mail: frankd frankd@accutest.com
Phone # / Fax #: 508-481-6200
Sampler(s) Name(s) / Phone: EAKGA

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street
City / State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)
Company Name
Street Address
City / State / Zip
Attention:

Requested Analysis (see TEST CODE sheet)

	SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1	1	G6M-13-01X		2/11/16	12:35:00 PM	EAKGA	AQ										X	MA
2	2	G6M-03-10X		2/11/16	2:45:00 PM	EAKGA	AQ										X	
3	3	G6M-02-11X		2/11/16	2:40:00 PM	EAKGA	AQ										X	
4	4	G6M-13-04X		2/11/16	12:40:00 PM	EAKGA	AQ										X	
5	5	G6M-9705BX		2/11/16	9:45:00 AM	EAKGA	AQ										X	
7	7	DUP-3		2/11/16	9:45:00 AM	EAKGA	AQ										X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 2/25/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – SO4 by 300 !!DOD!!

INITIAL ASESSMENT NIR 2B

LABEL VERIFICATION NIR

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Tin	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-12-16	1 FEDX	2 Fed Ex	2/15/16 9:45	2 [signature]
3		3	4		4
5		5	Custody Seal #		

☐ Intact ☐ Not intact
Preserved where applicable ☐
On Ice ☒
Cooler Temp. 1.2°CIP

11.1

11

MC44325: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44325 **Client:** _____ **Project:** _____

Date / Time Received: 2/15/2016 9:45:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44325
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/11/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44325

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Sulfate	GP95614/GN40947	10	0.0	mg/l	80	79.7	99.6	90-110%
Sulfate	GP95614/GN41007	10	0.0	mg/l	80	83.1	103.9	90-110%

Associated Samples:
Batch GP95614: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Sulfate	GP95614/GN40872	MC44300-2	mg/l	35.1	35.3	0.6	0-20%

Associated Samples:
Batch GP95614: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44325
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Sulfate	GP95614/GN40872	MC44300-2	mg/l	35.1	80	115	99.9	80-120%

Associated Samples:
Batch GP95614: MC44325-1, MC44325-2, MC44325-3, MC44325-4, MC44325-5, MC44325-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report



Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44347

Sampling Date: 02/12/16

Report to:

H&S Environmental

lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: 92

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

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Test results relate only to samples analyzed.

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Sample Summary

H&S Environmental

Job No: MC44347

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44347-1	02/12/16	09:00	KGA	02/12/16	AQ	Ground Water	G6M-97-28X
MC44347-1D	02/12/16	09:00	KGA	02/12/16	AQ	Water Dup/MSD	G6M-97-28X
MC44347-1F	02/12/16	09:00	KGA	02/12/16	AQ	Groundwater Filtered	G6M-97-28X
MC44347-1FD	02/12/16	09:00	KGA	02/12/16	AQ	Water Dup/MSD	G6M-97-28X
MC44347-1FS	02/12/16	09:00	KGA	02/12/16	AQ	Water Matrix Spike	G6M-97-28X
MC44347-1S	02/12/16	09:00	KGA	02/12/16	AQ	Water Matrix Spike	G6M-97-28X
MC44347-2	02/12/16	11:40	KGA	02/12/16	AQ	Ground Water	G6M-02-04X
MC44347-2F	02/12/16	11:40	KGA	02/12/16	AQ	Groundwater Filtered	G6M-02-04X
MC44347-3	02/12/16	11:15	KGA	02/12/16	AQ	Ground Water	G6M-02-13X
MC44347-3F	02/12/16	11:15	KGA	02/12/16	AQ	Groundwater Filtered	G6M-02-13X
MC44347-4	02/12/16	12:00	KGA	02/12/16	AQ	Ground Water	DUP-4
MC44347-4F	02/12/16	12:00	KGA	02/12/16	AQ	Groundwater Filtered	DUP-4
MC44347-5	02/12/16	07:10	KGA	02/12/16	AQ	Trip Blank Water	TB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	H&S Environmental	**Job No**	MC44347
Site:	Fort Devens, AOC50, Devens, MA	**Report Date**	2/25/2016 10:20:48 A

4 Sample(s) and 1 Trip Blank were collected on 02/12/2016 and were received at Accutest on 02/12/2016 properly preserved, at 4.4 Deg. C and intact. These Samples received an Accutest job number of MC44347. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5209

- Analysis performed at Accutest Laboratories, Orlando FL.

Volatiles by GC By Method EPA RSK-175

Matrix: AQ **Batch ID:** GBA1587

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC44347-1MS, MC44347-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25811

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1FMS, MC44347-1FMSD, MC44300-2FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic are outside control limits for sample MP25811-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95614

- Sulfate: Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ	Batch ID: GP20134

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1MS, MC44347-1DUP were used as the QC samples for Nitrogen, Nitrate + Nitrite.
- RPD(s) for Duplicate for Nitrogen, Nitrate + Nitrite are outside control limits for sample GP20134-D1. RPD acceptable due to low duplicate and sample concentrations.

Matrix: AQ	Batch ID: R38031

- MC44347-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ	Batch ID: R38032

- MC44347-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ	Batch ID: R38033

- MC44347-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ	Batch ID: R38034

- MC44347-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ	Batch ID: GP20105

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1DUP, MC44347-1MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ	Batch ID: GN53110

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1DUP, MC44347-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ	Batch ID: GN53070

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1DUP, MC44347-1MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ	Batch ID: GP20108

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1MS, MC44347-1MSD were used as the QC samples for Total Organic Carbon.

Matrix: AQ	Batch ID: GP20138

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-4MS, MC44347-4MSD were used as the QC samples for Total Organic Carbon.

Matrix: AQ	Batch ID: GP20148

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-3MS, MC44347-3MSD were used as the QC samples for Total Organic Carbon.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC44347).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44347
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	2/19/2016 12:06:35 P

On 02/15/2016, 4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 1.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44347 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95614

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-1DUP, MC44347-1MS were used as the QC samples for Sulfate.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job** MC44347

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 2/23/2016 9:39:55 AM

4 Samples and 1 Trip Blank were collected on 02/12/2016 and were received at Accutest SE on 02/13/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of MC44347. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5209

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44347-1MS, MC44347-1MSD were used as the QC samples indicated.

MC44347-1 for Chloroethane: Associated ICV outside control limits.

MC44347-1 for Methyl Bromide: Associated ICV outside control limits.

MC44347-2 for Chloroethane: Associated ICV outside control limits.

MC44347-2 for Methyl Bromide: Associated ICV outside control limits.

MC44347-3 for Chloroethane: Associated ICV outside control limits.

MC44347-3 for Methyl Bromide: Associated ICV outside control limits.

MC44347-4 for Chloroethane: Associated ICV outside control limits.

MC44347-4 for Methyl Bromide: Associated ICV outside control limits.

MC44347-5 for Chloroethane: Associated ICV outside control limits.

MC44347-5 for Methyl Bromide: Associated ICV outside control limits.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Lovelie Metzgar, QA Officer (signature on file)

Date: February 23, 2016

Summary of Hits

Job Number: MC44347
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44347-1	**G6M-97-28X**					
cis-1,2-Dichloroethylene [a]		1.4	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		1.1	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		0.53 J	1.0	0.50	ug/l	SW846 8260B
Methane		235	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		111	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.085 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.085 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		4.2 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.6	1.0	0.81	mg/l	SW846 9060
MC44347-1F	**G6M-97-28X**					
Arsenic		47.9	4.0	2.0	ug/l	SW846 6010C
Iron		2490	100	50	ug/l	SW846 6010C
Manganese		5690	75	38	ug/l	SW846 6010C
MC44347-2	**G6M-02-04X**					
Methane		964	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		42.3	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.12	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.12	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		8.0 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.1	1.0	0.81	mg/l	SW846 9060
MC44347-2F	**G6M-02-04X**					
Arsenic		353	4.0	2.0	ug/l	SW846 6010C
Iron		22000	200	100	ug/l	SW846 6010C
Manganese		1370	15	7.5	ug/l	SW846 6010C
MC44347-3	**G6M-02-13X**					
cis-1,2-Dichloroethylene [a]		13.2	1.0	0.50	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		0.51 J	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		4.5	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		13.7	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		7.7	1.0	0.50	ug/l	SW846 8260B
Methane		500	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		252	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.11	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		0.81 J	10	0.50	mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: MC44347
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Total Organic Carbon		2.1	1.0	0.81	mg/l	SW846 9060
MC44347-3F	**G6M-02-13X**					
Arsenic		145	4.0	2.0	ug/l	SW846 6010C
Iron		10200	100	50	ug/l	SW846 6010C
Manganese		11100	75	38	ug/l	SW846 6010C
MC44347-4	**DUP-4**					
cis-1,2-Dichloroethylene [a]		11.7	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		4.1	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		12.1	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		7.0	1.0	0.50	ug/l	SW846 8260B
Methane		580	10	5.0	ug/l	RSK-175
Ethene		5.1 J	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		248	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.082 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.082 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		0.83 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.2	1.0	0.81	mg/l	SW846 9060
MC44347-4F	**DUP-4**					
Arsenic		146	4.0	2.0	ug/l	SW846 6010C
Iron		10200	100	50	ug/l	SW846 6010C
Manganese		11100	75	38	ug/l	SW846 6010C
MC44347-5	**TB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-97-28X		
Lab Sample ID:	MC44347-1	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974371.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 UQ	2.0	1.0	ug/l	Q
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.4	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-97-28X
Lab Sample ID: MC44347-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 UQ	2.0	1.0	ug/l	Q
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	1.1	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.53	1.0	0.50	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-97-28X		
Lab Sample ID:	MC44347-1	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	107%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-97-28X		
Lab Sample ID:	MC44347-1	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23249.D	1	02/15/16	DF	n/a	n/a	GBA1587
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	235	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-97-28X
Lab Sample ID: MC44347-1
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	111	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.085 J	0.11	0.057	mg/l	1	02/22/16 17:09	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.085 J	0.10	0.054	mg/l	1	02/22/16 17:09	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 17:12	EL	SM 21 4500 NO2 B
Sulfate [b]	4.2 J	10	0.50	mg/l	1	02/18/16 03:12	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	1.6	1.0	0.81	mg/l	1	02/13/16 04:37	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-97-28X
Lab Sample ID: MC44347-1F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	47.9	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	2490	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	5690	75	38	ug/l	5	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18912
(2) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-02-04X		
Lab Sample ID:	MC44347-2	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974372.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 UQ	2.0	1.0	ug/l	Q
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-04X		
Lab Sample ID:	MC44347-2	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 UQ	2.0	1.0	ug/l	Q
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-04X		
Lab Sample ID:	MC44347-2	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	108%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-04X		
Lab Sample ID:	MC44347-2	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23252.D	1	02/15/16	DF	n/a	n/a	GBA1587
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	964	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-02-04X
Lab Sample ID: MC44347-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	42.3	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.12	0.11	0.057	mg/l	1	02/22/16 17:10	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.12	0.10	0.054	mg/l	1	02/22/16 17:10	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 17:12	EL	SM 21 4500 NO2 B
Sulfate [b]	8.0 J	10	0.50	mg/l	1	02/18/16 03:36	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	1.1	1.0	0.81	mg/l	1	02/22/16 22:47	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-02-04X
Lab Sample ID: MC44347-2F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	353	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Iron	22000	200	100	ug/l	2	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]
Manganese	1370	15	7.5	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA18912
(2) Instrument QC Batch: MA18921
(3) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-02-13X		
Lab Sample ID:	MC44347-3	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974373.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 UQ	2.0	1.0	ug/l	Q
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	13.2	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.51	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-13X		
Lab Sample ID:	MC44347-3	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 UQ	2.0	1.0	ug/l	Q
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	4.5	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	13.7	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	7.7	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-13X		
Lab Sample ID:	MC44347-3	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	108%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-13X		
Lab Sample ID:	MC44347-3	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23253.D	1	02/15/16	DF	n/a	n/a	GBA1587
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	500	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-13X		
Lab Sample ID:	MC44347-3	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	252	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.11	0.11	0.057	mg/l	1	02/22/16 17:12	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/22/16 17:12	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 17:12	EL	SM 21 4500 NO2 B
Sulfate [b]	0.81 J	10	0.50	mg/l	1	02/18/16 04:00	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	2.1	1.0	0.81	mg/l	1	02/24/16 19:04	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-02-13X
Lab Sample ID: MC44347-3F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	145	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Iron	10200	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Manganese	11100	75	38	ug/l	5	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA18912
(2) Instrument QC Batch: MA18921
(3) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	MC44347-4	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974374.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 UQ	2.0	1.0	ug/l	Q
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	11.7	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-4
Lab Sample ID: MC44347-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 UQ	2.0	1.0	ug/l	Q
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	4.1	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	12.1	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	7.0	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	MC44347-4	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	108%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-4		
Lab Sample ID:	MC44347-4	**Date Sampled:**	02/12/16
Matrix:	AQ - Ground Water	**Date Received:**	02/12/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23254.D	1	02/15/16	DF	n/a	n/a	GBA1587
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	580	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.1	10	5.0	ug/l	J

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-4
Lab Sample ID: MC44347-4
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	248	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.082 J	0.11	0.057	mg/l	1	02/22/16 17:13	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.082 J	0.10	0.054	mg/l	1	02/22/16 17:13	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/12/16 17:12	EL	SM 21 4500 NO2 B
Sulfate [b]	0.83 J	10	0.50	mg/l	1	02/18/16 04:24	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/16/16	BF	SM21 4500 S F
Total Organic Carbon	2.2	1.0	0.81	mg/l	1	02/22/16 22:18	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: DUP-4
Lab Sample ID: MC44347-4F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	146	4.0	2.0	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Iron	10200	100	50	ug/l	1	02/15/16	02/16/16	EC	SW846 6010C [1]	SW846 3010A [3]
Manganese	11100	75	38	ug/l	5	02/15/16	02/23/16	EAL	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA18912
(2) Instrument QC Batch: MA18921
(3) Prep QC Batch: MP25811

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44347-5	**Date Sampled:**	02/12/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974375.D	1	02/16/16	AFL	n/a	n/a	F:VJ5209
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [b]	1.0 UQ	2.0	1.0	ug/l	Q
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB
Lab Sample ID: MC44347-5
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/12/16
Date Received: 02/12/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [b]	1.0 UQ	2.0	1.0	ug/l	Q
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44347-5	**Date Sampled:**	02/12/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/12/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	108%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: MC44347

Accutest Control #:

Client Information

Name: H&S Environmental

Address: 160 East Main Street, Suite 2F

City: Westborough State: MA Zip: 01581

Send Report to: Laurie Ekes (lekes@hsenv.com)

Phone #: (508)367-7190

Facility Information

Project Name: Devens

Location: AOC50 February 2016

Project No.:

FAX #:

Analytical Information

Field ID / Point of Collection	Collection: Date	Collection: Time	Sampled By	Matrix	# of bottles	Preservation: voc	NaOH	HNO3	H2So4	None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P HNO3	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)
-1F 66M-97-28X	2/11/16	900	MA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
-1S 66M-97-28X MS		900	MA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
-1D 66M-97-28X MSD		900	MA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
-2F 66M-02-04X		1140	MA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
-3F 66M-02-13X		1115	EA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
-4F 66M DUP-3		1200	EA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X
-5 TB	2/11/16	710	MA	DI	2	2					X						X

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

Loc. 9F, 5C, 3S4

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/11/16 1430	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved	On Ice:
5		5		☐	☑ 4, 4 °C

SGS Accutest Sample Receipt Summary

Job Number: MC44347 **Client:** H&S **Project:** DEVENS

Date / Time Received: 2/12/2016 2:30:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (4.4/4.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control _Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25811	SW846 6010C						
MP25811-B1	7440-38-2	Arsenic	BSP	REC	102.2	%	87-113
MP25811-B1	7439-89-6	Iron	BSP	REC	99.5	%	87-115
MP25811-B1	7439-96-5	Manganese	BSP	REC	102.2	%	90-114
MP25811-S3	7440-38-2	Arsenic	MS	REC	102.6	%	87-113
MP25811-S3	7439-89-6	Iron	MS	REC	99.1	%	87-115
MP25811-S3	7439-96-5	Manganese	MS	REC	100	%	90-114
MP25811-S4	7440-38-2	Arsenic	MSD	REC	103	%	87-113
MP25811-S4	7440-38-2	Arsenic	MSD	RPD	.4	%	20
MP25811-S4	7439-89-6	Iron	MSD	REC	102.1	%	87-115
MP25811-S4	7439-89-6	Iron	MSD	RPD	2.4	%	20
MP25811-S4	7439-96-5	Manganese	MSD	REC	90	%	90-114
MP25811-S4	7439-96-5	Manganese	MSD	RPD	.8	%	20

* Sample used for QC is not from job MC44347

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44347
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1587-MB	BA23247.D	1	02/15/16	DF	n/a	n/a	GBA1587

The QC reported here applies to the following samples: **Method:** RSK-175

MC44347-1, MC44347-2, MC44347-3, MC44347-4

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44347
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1587-BSP	BA23248.D	1	02/15/16	DF	n/a	n/a	GBA1587

The QC reported here applies to the following samples: **Method:** RSK-175

MC44347-1, MC44347-2, MC44347-3, MC44347-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	94.0	106	50-150
74-84-0	Ethane	166	175	105	50-150
74-85-1	Ethene	155	176	114	50-150

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44347
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44347-1MS	BA23250.D	1	02/15/16	DF	n/a	n/a	GBA1587
MC44347-1MSD	BA23251.D	1	02/15/16	DF	n/a	n/a	GBA1587
MC44347-1	BA23249.D	1	02/15/16	DF	n/a	n/a	GBA1587

The QC reported here applies to the following samples: **Method:** RSK-175

MC44347-1, MC44347-2, MC44347-3, MC44347-4

CAS No.	Compound	MC44347-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	235		88.7	308	82	88.7	314	89	2	50-150/30
74-84-0	Ethane	10 U		166	172	104	166	162	98	6	50-150/30
74-85-1	Ethene	10 U		155	180	116	155	171	110	5	50-150/30

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.20	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	-0.30	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.10	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25811: MC44347-1F, MC44347-2F, MC44347-3F, MC44347-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44347-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	47.9	561	500	102.6	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	2490	12400	10000	99.1	75-125
Lead					
Lithium					
Magnesium					
Manganese	5690	6190	500	100.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44347-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44347-1F, MC44347-2F, MC44347-3F, MC44347-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44347-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	47.9	563	500	103.0	0.4	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	2490	12700	10000	102.1	2.4	20
Lead						
Lithium						
Magnesium						
Manganese	5690	6140	500	90.0	0.8	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/15/16

Metal	MC44347-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25811: MC44347-1F, MC44347-2F, MC44347-3F, MC44347-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	511	500	102.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	9950	10000	99.5	80-120
Lead				
Lithium				
Magnesium				
Manganese	511	500	102.2	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25811: MC44347-1F, MC44347-2F, MC44347-3F, MC44347-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	1.50	0.00	100.0(a)	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	0.00	0.00	NC	0-10
Lead				
Lithium				
Magnesium				
Manganese	274	280	2.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25811
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/16

Metal	MC44300-2F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25811: MC44347-1F, MC44347-2F, MC44347-3F, MC44347-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53110	5.0	0.0	mg/l	250	263	105.2	80-120%
Nitrogen, Nitrate + Nitrite	GP20134/GN53121	0.10	0.018	mg/l	2	2.08	104.0	90-110%
Nitrogen, Nitrite	GP20105/GN53052	0.010	0.0	mg/l	0.02	0.020	100.0	80-120%
Sulfide	GN53070	2.0	0.0	mg/l	12.6	11.6	92.1	80-120%
Total Organic Carbon	GP20108/GN53061	1.0	0.0	mg/l	10	9.35	93.5	80-120%
Total Organic Carbon	GP20138/GN53125	1.0	0.0	mg/l	10	9.05	90.5	80-120%
Total Organic Carbon	GP20148/GN53145	1.0	0.0	mg/l	10	9.50	95.0	80-120%

Associated Samples:
Batch GN53070: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GN53110: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20105: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20108: MC44347-1
Batch GP20134: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20138: MC44347-2, MC44347-4
Batch GP20148: MC44347-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53110	MC44347-1	mg/l	111	107	3.7	0-20%
Nitrogen, Nitrate + Nitrite	GP20134/GN53121	MC44347-1	mg/l	0.085	0.069	20.8(a)	0-20%
Nitrogen, Nitrite	GP20105/GN53052	MC44347-1	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53070	MC44347-1	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53070: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GN53110: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20105: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20134: MC44347-1, MC44347-2, MC44347-3, MC44347-4
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53110	MC44347-1	mg/l	111	250	369	103.2	75-125%
Nitrogen, Nitrate + Nitrite	GP20134/GN53121	MC44347-1	mg/l	0.085	2	2.1	100.8	90-110%
Nitrogen, Nitrite	GP20105/GN53052	MC44347-1	mg/l	0.0011 U	0.02	0.018	90.0	75-125%
Sulfide	GN53070	MC44347-1	mg/l	0.34 U	10.1	9.1	90.1	75-125%
Total Organic Carbon	GP20108/GN53061	MC44347-1	mg/l	1.6	10	10.9	93.0	75-125%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	11.5	93.0	75-125%
Total Organic Carbon	GP20148/GN53145	MC44347-3	mg/l	2.1	10	12.1	100.0	75-125%

Associated Samples:
Batch GN53070: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GN53110: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20105: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20108: MC44347-1
Batch GP20134: MC44347-1, MC44347-2, MC44347-3, MC44347-4
Batch GP20138: MC44347-2, MC44347-4
Batch GP20148: MC44347-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20108/GN53061	MC44347-1	mg/l	1.6	10	11.1	1.8	20%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	12.0	4.3	20%
Total Organic Carbon	GP20148/GN53145	MC44347-3	mg/l	2.1	10	12.9	6.4	20%

Associated Samples:
Batch GP20108: MC44347-1
Batch GP20138: MC44347-2, MC44347-4
Batch GP20148: MC44347-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

Page 1 of 1

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #	Bottle Order Control #
SGS Accutest Quote #	SGS Accutest Job MC44347

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City / State / Zip: Marlbourough, MA 0175:
Project Contact: frankd E-mail: frankd@accutest.com
Phone #: 508-481-6200 Fax #:
Sampler(s) Name(s): KGA Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD ,VMS+8260C ,VMS+MTBE	LAB USE ONLY
1S	66M-97-28X		2/12/16	9:00:00 AM	KGA	AQ										X	
1D	66M-97-28X		2/12/16	9:00:00 AM	KGA	AQ										X	
1	66M-97-28X		2/12/16	9:00:00 AM	KGA	AQ	6	x								X	MS/MSD
2	66M-02-04X		2/12/16	11:40:00 AM	KGA	AQ	2	x								X	
3	66M-02-13X		2/12/16	11:15:00 AM	KGA	AQ	2	x								X	
4	DUP-3		2/12/16	12:00:00 PM	KGA	AQ	2	x								X	
5	TB		2/12/16	7:10:00 AM	KGA	AQ	2	x								X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 2/24/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE – DOD
V8260C needed*
*NOTE: See attached note in regard to number of vials sent.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Tin	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-12-16	1 FEDX	2 FX	2-13-16	2 J. Cornel (ALSE) 11:30
3	Date Time:	3	4	Date Time:	4
5	Date Time:	5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp. 3.4

9.1

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MC44347: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC 44347 CLIENT: ALNE PROJECT: FORT DEVENS

DATE/TIME RECEIVED: 2-13-16 11:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6595 2492 2903

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.8
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 2-15-16 REVIEWER SIGNATURE/DATE Terry Testa 2-15-16

NF 11/15 receipt confirmation 111015.xls

9.1

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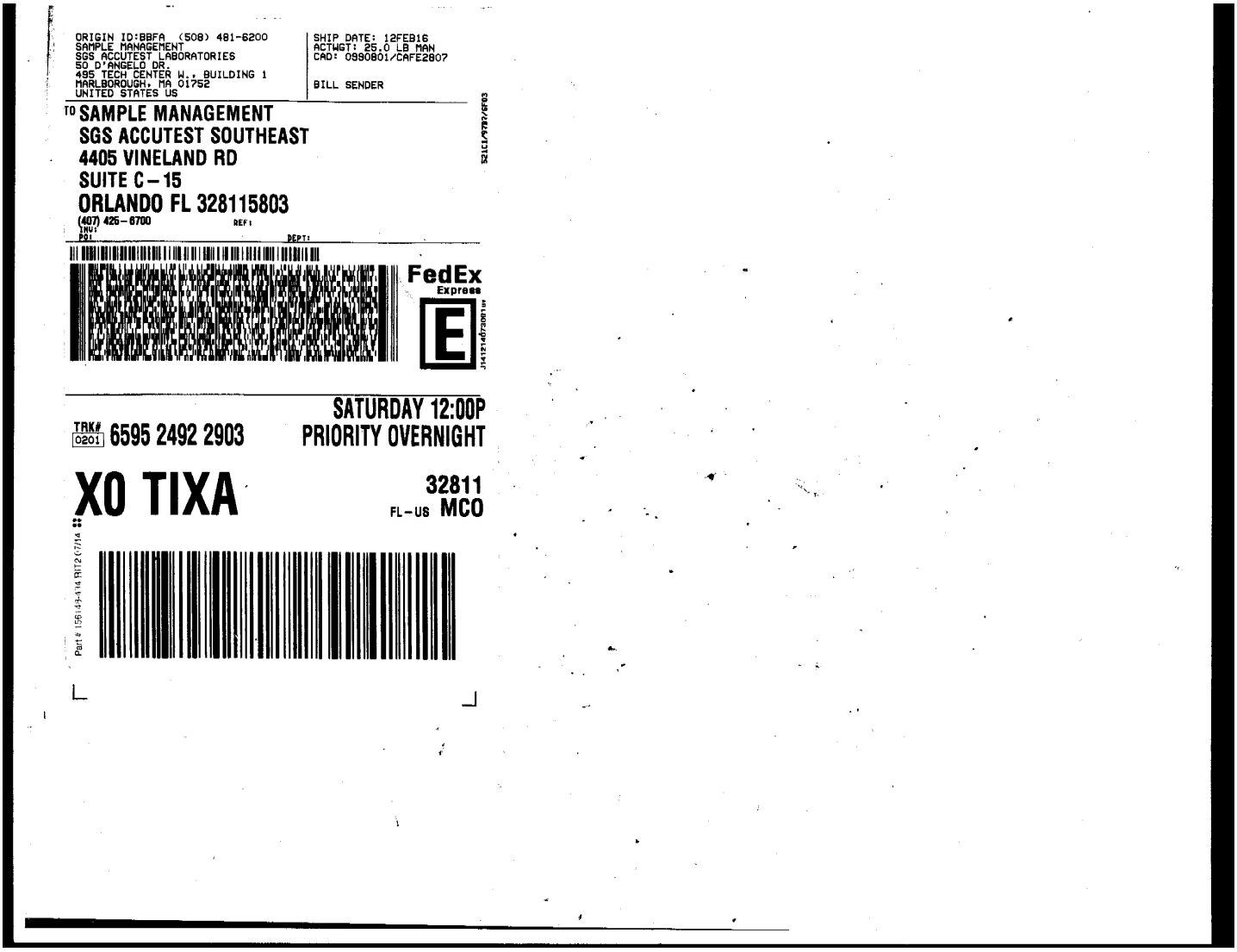

MC44347: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5209	SW846 8260B						
VJ5209-BS	67-64-1	Acetone	BSP	REC	108	%	39-160
VJ5209-BS	71-43-2	Benzene	BSP	REC	100	%	79-120
VJ5209-BS	108-86-1	Bromobenzene	BSP	REC	100	%	80-120
VJ5209-BS	74-97-5	Bromochloromethane	BSP	REC	105	%	78-123
VJ5209-BS	75-27-4	Bromodichloromethane	BSP	REC	103	%	79-125
VJ5209-BS	75-25-2	Bromoform	BSP	REC	91	%	66-130
VJ5209-BS	78-93-3	2-Butanone (MEK)	BSP	REC	90	%	56-143
VJ5209-BS	104-51-8	n-Butylbenzene	BSP	REC	108	%	75-128
VJ5209-BS	135-98-8	sec-Butylbenzene	BSP	REC	116	%	77-126
VJ5209-BS	98-06-6	tert-Butylbenzene	BSP	REC	107	%	78-124
VJ5209-BS	75-15-0	Carbon Disulfide	BSP	REC	116	%	64-133
VJ5209-BS	56-23-5	Carbon Tetrachloride	BSP	REC	103	%	72-136
VJ5209-BS	108-90-7	Chlorobenzene	BSP	REC	99	%	82-118
VJ5209-BS	75-00-3	Chloroethane	BSP	REC	96	%	60-138
VJ5209-BS	67-66-3	Chloroform	BSP	REC	103	%	79-124
VJ5209-BS	95-49-8	o-Chlorotoluene	BSP	REC	106	%	79-122
VJ5209-BS	106-43-4	p-Chlorotoluene	BSP	REC	106	%	78-122
VJ5209-BS	124-48-1	Dibromochloromethane	BSP	REC	93	%	74-126
VJ5209-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	76	%	62-128
VJ5209-BS	106-93-4	1,2-Dibromoethane	BSP	REC	94	%	77-121
VJ5209-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	79	%	32-152
VJ5209-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	100	%	80-119
VJ5209-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	107	%	80-119
VJ5209-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	100	%	79-118
VJ5209-BS	75-34-3	1,1-Dichloroethane	BSP	REC	102	%	77-125
VJ5209-BS	107-06-2	1,2-Dichloroethane	BSP	REC	92	%	73-128
VJ5209-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	110	%	71-131
VJ5209-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	98	%	78-123
VJ5209-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	109	%	75-124
VJ5209-BS	78-87-5	1,2-Dichloropropane	BSP	REC	98	%	78-122
VJ5209-BS	142-28-9	1,3-Dichloropropane	BSP	REC	90	%	80-119
VJ5209-BS	594-20-7	2,2-Dichloropropane	BSP	REC	105	%	60-139
VJ5209-BS	563-58-6	1,1-Dichloropropene	BSP	REC	103	%	79-125
VJ5209-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	95	%	75-124
VJ5209-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	106	%	73-127
VJ5209-BS	100-41-4	Ethylbenzene	BSP	REC	97	%	79-121
VJ5209-BS	87-68-3	Hexachlorobutadiene	BSP	REC	92	%	66-134
VJ5209-BS	591-78-6	2-Hexanone	BSP	REC	90	%	57-139
VJ5209-BS	98-82-8	Isopropylbenzene	BSP	REC	100	%	72-131
VJ5209-BS	99-87-6	p-Isopropyltoluene	BSP	REC	97	%	77-127
VJ5209-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141
VJ5209-BS	74-87-3	Methyl Chloride	BSP	REC	85	%	50-139

* Sample used for QC is not from job MC44347

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5209-BS	74-88-4	Methyl Iodide	BSP	REC	108	%	69-131
VJ5209-BS	74-95-3	Methylene Bromide	BSP	REC	96	%	79-123
VJ5209-BS	75-09-2	Methylene Chloride	BSP	REC	88	%	74-124
VJ5209-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	91	%	67-130
VJ5209-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	95	%	71-124
VJ5209-BS	91-20-3	Naphthalene	BSP	REC	78	%	61-128
VJ5209-BS	103-65-1	n-Propylbenzene	BSP	REC	117	%	76-126
VJ5209-BS	100-42-5	Styrene	BSP	REC	106	%	78-123
VJ5209-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	104	%	78-124
VJ5209-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	85	%	71-121
VJ5209-BS	127-18-4	Tetrachloroethylene	BSP	REC	100	%	74-129
VJ5209-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
VJ5209-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	83	%	69-129
VJ5209-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	89	%	69-130
VJ5209-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	98	%	74-131
VJ5209-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	92	%	80-119
VJ5209-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VJ5209-BS	75-69-4	Trichlorofluoromethane	BSP	REC	96	%	65-141
VJ5209-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	83	%	73-122
VJ5209-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	106	%	76-124
VJ5209-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	107	%	75-124
VJ5209-BS	108-05-4	Vinyl Acetate	BSP	REC	82	%	54-146
VJ5209-BS	75-01-4	Vinyl Chloride	BSP	REC	94	%	58-137
VJ5209-BS		m,p-Xylene	BSP	REC	99	%	80-121
VJ5209-BS	95-47-6	o-Xylene	BSP	REC	106	%	78-122
VJ5209-BS	1330-20-7	Xylene (total)	BSP	REC	102	%	79-121
VJ5209-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5209-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	95	%	81-118
VJ5209-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
VJ5209-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	85-114
MC44347-1MS	67-64-1	Acetone	MS	REC	80	%	39-160
MC44347-1MS	71-43-2	Benzene	MS	REC	101	%	79-120
MC44347-1MS	108-86-1	Bromobenzene	MS	REC	102	%	80-120
MC44347-1MS	74-97-5	Bromochloromethane	MS	REC	106	%	78-123
MC44347-1MS	75-27-4	Bromodichloromethane	MS	REC	97	%	79-125
MC44347-1MS	75-25-2	Bromoform	MS	REC	71	%	66-130
MC44347-1MS	78-93-3	2-Butanone (MEK)	MS	REC	81	%	56-143
MC44347-1MS	104-51-8	n-Butylbenzene	MS	REC	106	%	75-128
MC44347-1MS	135-98-8	sec-Butylbenzene	MS	REC	115	%	77-126
MC44347-1MS	98-06-6	tert-Butylbenzene	MS	REC	106	%	78-124
MC44347-1MS	75-15-0	Carbon Disulfide	MS	REC	110	%	64-133
MC44347-1MS	56-23-5	Carbon Tetrachloride	MS	REC	103	%	72-136
MC44347-1MS	108-90-7	Chlorobenzene	MS	REC	99	%	82-118
MC44347-1MS	75-00-3	Chloroethane	MS	REC	106	%	60-138
MC44347-1MS	67-66-3	Chloroform	MS	REC	102	%	79-124

* Sample used for QC is not from job MC44347

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44347-1MS	95-49-8	o-Chlorotoluene	MS	REC	105	%	79-122
MC44347-1MS	106-43-4	p-Chlorotoluene	MS	REC	104	%	78-122
MC44347-1MS	124-48-1	Dibromochloromethane	MS	REC	82	%	74-126
MC44347-1MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	77	%	62-128
MC44347-1MS	106-93-4	1,2-Dibromoethane	MS	REC	94	%	77-121
MC44347-1MS	75-71-8	Dichlorodifluoromethane	MS	REC	88	%	32-152
MC44347-1MS	95-50-1	1,2-Dichlorobenzene	MS	REC	101	%	80-119
MC44347-1MS	541-73-1	1,3-Dichlorobenzene	MS	REC	106	%	80-119
MC44347-1MS	106-46-7	1,4-Dichlorobenzene	MS	REC	100	%	79-118
MC44347-1MS	75-34-3	1,1-Dichloroethane	MS	REC	103	%	77-125
MC44347-1MS	107-06-2	1,2-Dichloroethane	MS	REC	92	%	73-128
MC44347-1MS	75-35-4	1,1-Dichloroethylene	MS	REC	108	%	71-131
MC44347-1MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	99	%	78-123
MC44347-1MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	110	%	75-124
MC44347-1MS	78-87-5	1,2-Dichloropropane	MS	REC	99	%	78-122
MC44347-1MS	142-28-9	1,3-Dichloropropane	MS	REC	92	%	80-119
MC44347-1MS	594-20-7	2,2-Dichloropropane	MS	REC	95	%	60-139
MC44347-1MS	563-58-6	1,1-Dichloropropene	MS	REC	102	%	79-125
MC44347-1MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	86	%	75-124
MC44347-1MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	101	%	73-127
MC44347-1MS	100-41-4	Ethylbenzene	MS	REC	96	%	79-121
MC44347-1MS	87-68-3	Hexachlorobutadiene	MS	REC	90	%	66-134
MC44347-1MS	591-78-6	2-Hexanone	MS	REC	90	%	57-139
MC44347-1MS	98-82-8	Isopropylbenzene	MS	REC	98	%	72-131
MC44347-1MS	99-87-6	p-Isopropyltoluene	MS	REC	96	%	77-127
MC44347-1MS	74-83-9	Methyl Bromide	MS	REC	103	%	53-141
MC44347-1MS	74-87-3	Methyl Chloride	MS	REC	94	%	50-139
MC44347-1MS	74-88-4	Methyl Iodide	MS	REC	115	%	69-131
MC44347-1MS	74-95-3	Methylene Bromide	MS	REC	98	%	79-123
MC44347-1MS	75-09-2	Methylene Chloride	MS	REC	86	%	74-124
MC44347-1MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	94	%	67-130
MC44347-1MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	100	%	71-124
MC44347-1MS	91-20-3	Naphthalene	MS	REC	85	%	61-128
MC44347-1MS	103-65-1	n-Propylbenzene	MS	REC	115	%	76-126
MC44347-1MS	100-42-5	Styrene	MS	REC	92	%	78-123
MC44347-1MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	106	%	78-124
MC44347-1MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	88	%	71-121
MC44347-1MS	127-18-4	Tetrachloroethylene	MS	REC	96	%	74-129
MC44347-1MS	108-88-3	Toluene	MS	REC	99	%	80-121
MC44347-1MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	85	%	69-129
MC44347-1MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	92	%	69-130
MC44347-1MS	71-55-6	1,1,1-Trichloroethane	MS	REC	98	%	74-131
MC44347-1MS	79-00-5	1,1,2-Trichloroethane	MS	REC	95	%	80-119
MC44347-1MS	79-01-6	Trichloroethylene	MS	REC	107	%	79-123
MC44347-1MS	75-69-4	Trichlorofluoromethane	MS	REC	105	%	65-141

* Sample used for QC is not from job MC44347

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44347-1MS	96-18-4	1,2,3-Trichloropropane	MS	REC	86	%	73-122
MC44347-1MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	104	%	76-124
MC44347-1MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	105	%	75-124
MC44347-1MS	108-05-4	Vinyl Acetate	MS	REC	75	%	54-146
MC44347-1MS	75-01-4	Vinyl Chloride	MS	REC	104	%	58-137
MC44347-1MS		m,p-Xylene	MS	REC	97	%	80-121
MC44347-1MS	95-47-6	o-Xylene	MS	REC	104	%	78-122
MC44347-1MS	1330-20-7	Xylene (total)	MS	REC	100	%	79-121
MC44347-1MS	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
MC44347-1MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	95	%	81-118
MC44347-1MS	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
MC44347-1MS	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114
MC44347-1MSD	67-64-1	Acetone	MSD	REC	86	%	39-160
MC44347-1MSD	67-64-1	Acetone	MSD	RPD	7	%	20
MC44347-1MSD	71-43-2	Benzene	MSD	REC	98	%	79-120
MC44347-1MSD	71-43-2	Benzene	MSD	RPD	3	%	20
MC44347-1MSD	108-86-1	Bromobenzene	MSD	REC	100	%	80-120
MC44347-1MSD	108-86-1	Bromobenzene	MSD	RPD	2	%	20
MC44347-1MSD	74-97-5	Bromochloromethane	MSD	REC	106	%	78-123
MC44347-1MSD	74-97-5	Bromochloromethane	MSD	RPD	1	%	20
MC44347-1MSD	75-27-4	Bromodichloromethane	MSD	REC	93	%	79-125
MC44347-1MSD	75-27-4	Bromodichloromethane	MSD	RPD	4	%	20
MC44347-1MSD	75-25-2	Bromoform	MSD	REC	74	%	66-130
MC44347-1MSD	75-25-2	Bromoform	MSD	RPD	5	%	20
MC44347-1MSD	78-93-3	2-Butanone (MEK)	MSD	REC	84	%	56-143
MC44347-1MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	4	%	20
MC44347-1MSD	104-51-8	n-Butylbenzene	MSD	REC	101	%	75-128
MC44347-1MSD	104-51-8	n-Butylbenzene	MSD	RPD	5	%	20
MC44347-1MSD	135-98-8	sec-Butylbenzene	MSD	REC	111	%	77-126
MC44347-1MSD	135-98-8	sec-Butylbenzene	MSD	RPD	4	%	20
MC44347-1MSD	98-06-6	tert-Butylbenzene	MSD	REC	103	%	78-124
MC44347-1MSD	98-06-6	tert-Butylbenzene	MSD	RPD	3	%	20
MC44347-1MSD	75-15-0	Carbon Disulfide	MSD	REC	104	%	64-133
MC44347-1MSD	75-15-0	Carbon Disulfide	MSD	RPD	5	%	20
MC44347-1MSD	56-23-5	Carbon Tetrachloride	MSD	REC	94	%	72-136
MC44347-1MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
MC44347-1MSD	108-90-7	Chlorobenzene	MSD	REC	99	%	82-118
MC44347-1MSD	108-90-7	Chlorobenzene	MSD	RPD	0	%	20
MC44347-1MSD	75-00-3	Chloroethane	MSD	REC	102	%	60-138
MC44347-1MSD	75-00-3	Chloroethane	MSD	RPD	3	%	20
MC44347-1MSD	67-66-3	Chloroform	MSD	REC	101	%	79-124
MC44347-1MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
MC44347-1MSD	95-49-8	o-Chlorotoluene	MSD	REC	102	%	79-122
MC44347-1MSD	95-49-8	o-Chlorotoluene	MSD	RPD	3	%	20
MC44347-1MSD	106-43-4	p-Chlorotoluene	MSD	REC	102	%	78-122

* Sample used for QC is not from job MC44347

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44347-1MSD	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
MC44347-1MSD	124-48-1	Dibromochloromethane	MSD	REC	83	%	74-126
MC44347-1MSD	124-48-1	Dibromochloromethane	MSD	RPD	2	%	20
MC44347-1MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	77	%	62-128
MC44347-1MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	0	%	20
MC44347-1MSD	106-93-4	1,2-Dibromoethane	MSD	REC	96	%	77-121
MC44347-1MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
MC44347-1MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	85	%	32-152
MC44347-1MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	3	%	20
MC44347-1MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	100	%	80-119
MC44347-1MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
MC44347-1MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	104	%	80-119
MC44347-1MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	2	%	20
MC44347-1MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	98	%	79-118
MC44347-1MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
MC44347-1MSD	75-34-3	1,1-Dichloroethane	MSD	REC	101	%	77-125
MC44347-1MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	2	%	20
MC44347-1MSD	107-06-2	1,2-Dichloroethane	MSD	REC	92	%	73-128
MC44347-1MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
MC44347-1MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	107	%	71-131
MC44347-1MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	1	%	20
MC44347-1MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	97	%	78-123
MC44347-1MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	2	%	20
MC44347-1MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	106	%	75-124
MC44347-1MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	4	%	20
MC44347-1MSD	78-87-5	1,2-Dichloropropane	MSD	REC	98	%	78-122
MC44347-1MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	1	%	20
MC44347-1MSD	142-28-9	1,3-Dichloropropane	MSD	REC	92	%	80-119
MC44347-1MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
MC44347-1MSD	594-20-7	2,2-Dichloropropane	MSD	REC	94	%	60-139
MC44347-1MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
MC44347-1MSD	563-58-6	1,1-Dichloropropene	MSD	REC	98	%	79-125
MC44347-1MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	4	%	20
MC44347-1MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	82	%	75-124
MC44347-1MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44347-1MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	96	%	73-127
MC44347-1MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44347-1MSD	100-41-4	Ethylbenzene	MSD	REC	95	%	79-121
MC44347-1MSD	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
MC44347-1MSD	87-68-3	Hexachlorobutadiene	MSD	REC	88	%	66-134
MC44347-1MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	2	%	20
MC44347-1MSD	591-78-6	2-Hexanone	MSD	REC	94	%	57-139
MC44347-1MSD	591-78-6	2-Hexanone	MSD	RPD	5	%	20
MC44347-1MSD	98-82-8	Isopropylbenzene	MSD	REC	96	%	72-131
MC44347-1MSD	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44347

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44347-1MSD	99-87-6	p-Isopropyltoluene	MSD	REC	92	%	77-127
MC44347-1MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	4	%	20
MC44347-1MSD	74-83-9	Methyl Bromide	MSD	REC	102	%	53-141
MC44347-1MSD	74-83-9	Methyl Bromide	MSD	RPD	1	%	20
MC44347-1MSD	74-87-3	Methyl Chloride	MSD	REC	93	%	50-139
MC44347-1MSD	74-87-3	Methyl Chloride	MSD	RPD	1	%	20
MC44347-1MSD	74-88-4	Methyl Iodide	MSD	REC	114	%	69-131
MC44347-1MSD	74-88-4	Methyl Iodide	MSD	RPD	1	%	20
MC44347-1MSD	74-95-3	Methylene Bromide	MSD	REC	96	%	79-123
MC44347-1MSD	74-95-3	Methylene Bromide	MSD	RPD	2	%	20
MC44347-1MSD	75-09-2	Methylene Chloride	MSD	REC	85	%	74-124
MC44347-1MSD	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
MC44347-1MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	97	%	67-130
MC44347-1MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	3	%	20
MC44347-1MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	100	%	71-124
MC44347-1MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
MC44347-1MSD	91-20-3	Naphthalene	MSD	REC	85	%	61-128
MC44347-1MSD	91-20-3	Naphthalene	MSD	RPD	0	%	20
MC44347-1MSD	103-65-1	n-Propylbenzene	MSD	REC	111	%	76-126
MC44347-1MSD	103-65-1	n-Propylbenzene	MSD	RPD	4	%	20
MC44347-1MSD	100-42-5	Styrene	MSD	REC	90	%	78-123
MC44347-1MSD	100-42-5	Styrene	MSD	RPD	2	%	20
MC44347-1MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	102	%	78-124
MC44347-1MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	3	%	20
MC44347-1MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	88	%	71-121
MC44347-1MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	0	%	20
MC44347-1MSD	127-18-4	Tetrachloroethylene	MSD	REC	96	%	74-129
MC44347-1MSD	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
MC44347-1MSD	108-88-3	Toluene	MSD	REC	98	%	80-121
MC44347-1MSD	108-88-3	Toluene	MSD	RPD	1	%	20
MC44347-1MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	87	%	69-129
MC44347-1MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	2	%	20
MC44347-1MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	91	%	69-130
MC44347-1MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	1	%	20
MC44347-1MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	96	%	74-131
MC44347-1MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	2	%	20
MC44347-1MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	96	%	80-119
MC44347-1MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	1	%	20
MC44347-1MSD	79-01-6	Trichloroethylene	MSD	REC	108	%	79-123
MC44347-1MSD	79-01-6	Trichloroethylene	MSD	RPD	0	%	20
MC44347-1MSD	75-69-4	Trichlorofluoromethane	MSD	REC	103	%	65-141
MC44347-1MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
MC44347-1MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	88	%	73-122
MC44347-1MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	2	%	20
MC44347-1MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	99	%	76-124

* Sample used for QC is not from job MC44347

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44347-1MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	6	%	20
MC44347-1MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	97	%	75-124
MC44347-1MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	8	%	20
MC44347-1MSD	108-05-4	Vinyl Acetate	MSD	REC	75	%	54-146
MC44347-1MSD	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
MC44347-1MSD	75-01-4	Vinyl Chloride	MSD	REC	101	%	58-137
MC44347-1MSD	75-01-4	Vinyl Chloride	MSD	RPD	3	%	20
MC44347-1MSD		m,p-Xylene	MSD	REC	95	%	80-121
MC44347-1MSD		m,p-Xylene	MSD	RPD	3	%	20
MC44347-1MSD	95-47-6	o-Xylene	MSD	REC	103	%	78-122
MC44347-1MSD	95-47-6	o-Xylene	MSD	RPD	1	%	20
MC44347-1MSD	1330-20-7	Xylene (total)	MSD	REC	97	%	79-121
MC44347-1MSD	1330-20-7	Xylene (total)	MSD	RPD	2	%	20
MC44347-1MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
MC44347-1MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	97	%	81-118
MC44347-1MSD	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
MC44347-1MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	97	%	85-114
VJ5209-MB	1868-53-7	Dibromofluoromethane	MB	SURR	97	%	80-119
VJ5209-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	96	%	81-118
VJ5209-MB	2037-26-5	Toluene-D8	MB	SURR	104	%	89-112
VJ5209-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	106	%	85-114
MC44347-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44347-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	94	%	81-118
MC44347-1	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44347-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	85-114
MC44347-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44347-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
MC44347-2	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44347-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	108	%	85-114
MC44347-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44347-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	96	%	81-118
MC44347-3	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
MC44347-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	108	%	85-114
MC44347-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44347-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
MC44347-4	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44347-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	108	%	85-114
MC44347-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44347-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
MC44347-5	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44347-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	108	%	85-114

* Sample used for QC is not from job MC44347

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-MB	J0974370.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-MB	J0974370.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-MB	J0974370.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	106%	83-118%

Blank Spike Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-BS	J0974369.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	135	108	50-147
71-43-2	Benzene	25	25.0	100	81-122
108-86-1	Bromobenzene	25	25.1	100	80-121
74-97-5	Bromochloromethane	25	26.3	105	76-123
75-27-4	Bromodichloromethane	25	25.7	103	79-123
75-25-2	Bromoform	25	22.7	91	66-123
78-93-3	2-Butanone (MEK)	125	112	90	56-143
104-51-8	n-Butylbenzene	25	26.9	108	79-126
135-98-8	sec-Butylbenzene	25	28.9	116	83-133
98-06-6	tert-Butylbenzene	25	26.7	107	80-133
75-15-0	Carbon Disulfide	25	28.9	116	66-148
56-23-5	Carbon Tetrachloride	25	25.8	103	76-136
108-90-7	Chlorobenzene	25	24.8	99	82-124
75-00-3	Chloroethane	25	24.1	96	62-144
67-66-3	Chloroform	25	25.8	103	80-124
95-49-8	o-Chlorotoluene	25	26.5	106	81-127
106-43-4	p-Chlorotoluene	25	26.5	106	83-130
124-48-1	Dibromochloromethane	25	23.3	93	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	18.9	76	64-123
106-93-4	1,2-Dibromoethane	25	23.4	94	75-120
75-71-8	Dichlorodifluoromethane	25	19.8	79	42-167
95-50-1	1,2-Dichlorobenzene	25	25.0	100	82-124
541-73-1	1,3-Dichlorobenzene	25	26.8	107	84-125
106-46-7	1,4-Dichlorobenzene	25	25.1	100	78-120
75-34-3	1,1-Dichloroethane	25	25.5	102	81-122
107-06-2	1,2-Dichloroethane	25	22.9	92	75-125
75-35-4	1,1-Dichloroethylene	25	27.4	110	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.3	109	76-127
78-87-5	1,2-Dichloropropane	25	24.6	98	76-124
142-28-9	1,3-Dichloropropane	25	22.5	90	80-118
594-20-7	2,2-Dichloropropane	25	26.3	105	74-139
563-58-6	1,1-Dichloropropene	25	25.7	103	79-131
10061-01-5	cis-1,3-Dichloropropene	25	23.7	95	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	80-120
100-41-4	Ethylbenzene	25	24.3	97	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-BS	J0974369.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	23.0	92	75-142
591-78-6	2-Hexanone	125	113	90	61-129
98-82-8	Isopropylbenzene	25	24.9	100	83-132
99-87-6	p-Isopropyltoluene	25	24.2	97	79-130
74-83-9	Methyl Bromide	25	23.8	95	59-143
74-87-3	Methyl Chloride	25	21.3	85	50-159
74-88-4	Methyl Iodide	25	27.0	108	73-123
74-95-3	Methylene Bromide	25	24.1	96	78-119
75-09-2	Methylene Chloride	25	21.9	88	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	114	91	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.7	95	72-117
91-20-3	Naphthalene	25	19.4	78	63-132
103-65-1	n-Propylbenzene	25	29.2	117	82-133
100-42-5	Styrene	25	26.5	106	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.9	104	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.2	85	72-120
127-18-4	Tetrachloroethylene	25	24.9	100	76-135
108-88-3	Toluene	25	25.1	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	20.7	83	68-131
120-82-1	1,2,4-Trichlorobenzene	25	22.3	89	73-129
71-55-6	1,1,1-Trichloroethane	25	24.5	98	75-130
79-00-5	1,1,2-Trichloroethane	25	22.9	92	76-119
79-01-6	Trichloroethylene	25	26.6	106	81-126
75-69-4	Trichlorofluoromethane	25	24.0	96	71-156
96-18-4	1,2,3-Trichloropropane	25	20.8	83	77-120
95-63-6	1,2,4-Trimethylbenzene	25	26.6	106	79-120
108-67-8	1,3,5-Trimethylbenzene	25	26.7	107	79-120
108-05-4	Vinyl Acetate	125	102	82	43-154
75-01-4	Vinyl Chloride	25	23.5	94	69-159
	m,p-Xylene	50	49.7	99	79-126
95-47-6	o-Xylene	25	26.5	106	80-127
1330-20-7	Xylene (total)	75	76.2	102	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5209-BS	J0974369.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44347-1MS	J0974388.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44347-1MSD	J0974389.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44347-1	J0974371.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Compound	MC44347-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	100	80	125	107	86	7	50-147/21
71-43-2	Benzene	1.0 U		25	25.3	101	25	24.6	98	3	81-122/14
108-86-1	Bromobenzene	1.0 U		25	25.4	102	25	24.9	100	2	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.4	106	25	26.6	106	1	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	24.3	97	25	23.3	93	4	79-123/19
75-25-2	Bromoform	1.0 U		25	17.7	71	25	18.6	74	5	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	101	81	125	105	84	4	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	26.5	106	25	25.2	101	5	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	28.8	115	25	27.8	111	4	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	26.5	106	25	25.8	103	3	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	27.4	110	25	26.0	104	5	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	25.7	103	25	23.6	94	9	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	24.7	99	25	24.7	99	0	82-124/14
75-00-3	Chloroethane	2.0 UQ	Q	25	26.5	106	25	25.6	102	3	62-144/20
67-66-3	Chloroform	1.0 U		25	25.6	102	25	25.3	101	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	26.3	105	25	25.6	102	3	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	25.9	104	25	25.5	102	2	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	20.4	82	25	20.8	83	2	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	19.3	77	25	19.3	77	0	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	23.6	94	25	23.9	96	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	22.0	88	25	21.3	85	3	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	25.3	101	25	25.1	100	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	26.5	106	25	26.0	104	2	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	25.0	100	25	24.6	98	2	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	25.8	103	25	25.3	101	2	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	23.0	92	25	22.9	92	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.9	108	25	26.7	107	1	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.4		25	26.2	99	25	25.7	97	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	27.5	110	25	26.5	106	4	76-127/17
78-87-5	1,2-Dichloropropane	1.0 U		25	24.8	99	25	24.6	98	1	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.0	92	25	23.0	92	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	23.7	95	25	23.4	94	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	25.5	102	25	24.6	98	4	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	21.6	86	25	20.6	82	5	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.3	101	25	24.0	96	5	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	24.1	96	25	23.7	95	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44347-1MS	J0974388.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44347-1MSD	J0974389.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44347-1	J0974371.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Compound	MC44347-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	22.6	90	25	22.1	88	2	75-142/19
591-78-6	2-Hexanone	10 U		125	112	90	125	118	94	5	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	24.5	98	25	24.0	96	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	23.9	96	25	23.0	92	4	79-130/16
74-83-9	Methyl Bromide	2.0 UQ	Q	25	25.7	103	25	25.4	102	1	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	23.6	94	25	23.3	93	1	50-159/19
74-88-4	Methyl Iodide	1.0 U		25	28.7	115	25	28.4	114	1	73-123/16
74-95-3	Methylene Bromide	2.0 U		25	24.6	98	25	24.1	96	2	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	21.6	86	25	21.3	85	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	117	94	125	121	97	3	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	24.9	100	25	25.1	100	1	72-117/14
91-20-3	Naphthalene	5.0 U		25	21.2	85	25	21.2	85	0	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	28.8	115	25	27.7	111	4	82-133/15
100-42-5	Styrene	1.0 U		25	23.1	92	25	22.6	90	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	26.4	106	25	25.6	102	3	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	21.9	88	25	22.0	88	0	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	24.0	96	25	24.1	96	0	76-135/16
108-88-3	Toluene	1.0 U		25	24.8	99	25	24.5	98	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	21.3	85	25	21.8	87	2	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	22.9	92	25	22.7	91	1	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.6	98	25	24.1	96	2	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.8	95	25	24.0	96	1	76-119/14
79-01-6	Trichloroethylene	1.1		25	27.9	107	25	28.0	108	0	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	26.2	105	25	25.7	103	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.5	86	25	21.9	88	2	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	26.1	104	25	24.7	99	6	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	26.2	105	25	24.2	97	8	79-120/19
108-05-4	Vinyl Acetate	10 U		125	94.0	75	125	93.5	75	1	43-154/14
75-01-4	Vinyl Chloride	0.53	J	25	26.5	104	25	25.8	101	3	69-159/18
	m,p-Xylene	2.0 U		50	48.7	97	50	47.4	95	3	79-126/15
95-47-6	o-Xylene	1.0 U		25	26.0	104	25	25.7	103	1	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	74.7	100	75	73.1	97	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44347-1MS	J0974388.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44347-1MSD	J0974389.D	1	02/16/16	DP	n/a	n/a	VJ5209
MC44347-1	J0974371.D	1	02/16/16	DP	n/a	n/a	VJ5209

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44347-1, MC44347-2, MC44347-3, MC44347-4, MC44347-5

CAS No.	Surrogate Recoveries	MS	MSD	MC44347-1	Limits
1868-53-7	Dibromofluoromethane	101%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	97%	94%	79-125%
2037-26-5	Toluene-D8	97%	98%	104%	85-112%
460-00-4	4-Bromofluorobenzene	98%	97%	107%	83-118%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44347
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44347-1	J0974371.D	97	94	104	107
MC44347-2	J0974372.D	98	95	104	108
MC44347-3	J0974373.D	97	96	101	108
MC44347-4	J0974374.D	97	97	103	108
MC44347-5	J0974375.D	98	97	103	108
MC44347-1MS	J0974388.D	101	95	97	98
MC44347-1MSD	J0974389.D	101	97	98	97
VJ5209-BS	J0974369.D	101	95	98	99
VJ5209-MB	J0974370.D	97	96	104	106

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

Page 1 of 1

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

GW #2 RIR 2/15/16

FED-EX Tracking # 6595 2492 2899
SGS Accutest Quote #
Bottle Order Control #
SGS Accutest Job MC44347

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City / State / Zip: Marlbourough, MA 0175:
Project Contact: frankd E-mail: frankd@accutest.com
Phone #: 508-481-6200 Fax #:
Sampler(s) Name(s): KGA Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1S	66M-97-28X		2/12/16	9:00:00 AM	KGA	AQ										X	MA
1D	66M-97-28X		2/12/16	9:00:00 AM	KGA	AQ										X	
1	66M-97-28X		2/12/16	9:00:00 AM	KGA	AQ	1					x				X	MS/MSD
2	66M-02-04X		2/12/16	11:40:00 AM	KGA	AQ	1					x				X	
3	66M-02-13X		2/12/16	11:15:00 AM	KGA	AQ	1					x				X	
4	DUP-3		2/12/16	12:00:00 PM	KGA	AQ	1					x				X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 2/24/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ **SO4 by 300

INITIAL ASESSMENT RIR 2B
LABEL VERIFICATION RIR

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-12-16	1 FEDX	2 FedEx	2/15/16 9:45	2 [signature]
3		3	4		4
5		5	Custody Seal # — ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 1.20 CIP

11.1 11

MC44347: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44347 **Client:** _____ **Project:** _____

Date / Time Received: 2/15/2016 9:45:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44347
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/12/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44347

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Sulfate	GP95614/GN40872	10	0.49	mg/l	80	81.2	101.5	90-110%

Associated Samples:
Batch GP95614: MC44347-1, MC44347-2, MC44347-3, MC44347-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Sulfate	GP95614/GN40872	MC44347-1	mg/l	4.2	4.4	4.7	0-20%

Associated Samples:
Batch GP95614: MC44347-1, MC44347-2, MC44347-3, MC44347-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44347
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Sulfate	GP95614/GN40872	MC44347-1	mg/l	4.2	80	85.2	101.3	80-120%

Associated Samples:
Batch GP95614: MC44347-1, MC44347-2, MC44347-3, MC44347-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

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e-Hardcopy 2.0
Automated Report

Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

SGS Accutest Job Number: MC44440

Sampling Date: 02/18/16



Report to:

H&S Environmental
160 East Main Street
Westborough, MA 01581
lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: **92**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

H&S Environmental

Job No: MC44440

Fort Devens, AOC50, Devens, MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44440-1	02/18/16	12:25	KGA	02/18/16	AQ	Ground Water	G6M-04-01X
MC44440-1F	02/18/16	12:25	KGA	02/18/16	AQ	Groundwater Filtered	G6M-04-01X
MC44440-2	02/18/16	14:10	KGA	02/18/16	AQ	Ground Water	G6M-02-01X
MC44440-2F	02/18/16	14:10	KGA	02/18/16	AQ	Groundwater Filtered	G6M-02-01X
MC44440-3	02/18/16	15:50	KGA	02/18/16	AQ	Ground Water	G6M-04-03X
MC44440-3F	02/18/16	15:50	KGA	02/18/16	AQ	Groundwater Filtered	G6M-04-03X
MC44440-4	02/18/16	16:00	KGA	02/18/16	AQ	Ground Water	DUP-1
MC44440-4F	02/18/16	16:00	KGA	02/18/16	AQ	Groundwater Filtered	DUP-1
MC44440-5	02/18/16	10:30	KGA	02/18/16	AQ	Trip Blank Water	TB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: H&S Environmental **Job No:** MC44440

Site: Fort Devens, AOC50, Devens, MA **Report Date** 3/4/2016 2:15:12 PM

4 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 02/18/2016 and were received at SGS Accutest New England on 02/18/2016 properly preserved, at 2.1 Deg. C and intact. These Samples received a job number of MC44440. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5218

- Analysis performed at Accutest Laboratories, Orlando FL.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1590

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC44440-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Methane are outside control limits for sample MC44440-1DUP. High recovery/RPD due to possible nonhomogeneity between sample bottles.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25867

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1FMS, MC44440-1FMSD, MC44440-1FSDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95850

- Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20153

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1DUP, MC44440-1MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38054

- MC44440-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38055

- MC44440-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38056

- MC44440-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38057

- MC44440-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20129

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1DUP, MC44440-1MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53112

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44419-1DUP, MC44419-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN53113

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-2DUP, MC44440-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ **Batch ID:** GN53141

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1MS, MC44440-2DUP were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ	Batch ID: GP20138

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44347-4MS, MC44347-4MSD were used as the QC samples for Total Organic Carbon.

Matrix: AQ	Batch ID: GP20139

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1MS, MC44440-1MSD were used as the QC samples for Total Organic Carbon.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC44440).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44440
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	3/3/2016 2:53:05 PM

On 02/23/2016, 4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44440 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95850

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14479-1DUP, JC14479-1MS were used as the QC samples for Sulfate.
- Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job No:** MC44440

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 2/29/2016 1:01:17 PM

4 Samples and 1 Trip Blank were collected on 02/18/2016 and were received at Accutest SE on 02/20/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of MC44440. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5218

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44458-3MS, MC44458-3MSD were used as the QC samples indicated.

MC44440-1 for Chloroethane: Associated ICV outside control limits.

MC44440-1 for Methyl Bromide: Associated ICV outside control limits.

MC44440-1 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44440-2 for Chloroethane: Associated ICV outside control limits.

MC44440-2 for Methyl Bromide: Associated ICV outside control limits.

MC44440-2 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44440-3 for Chloroethane: Associated ICV outside control limits.

MC44440-3 for Methyl Bromide: Associated ICV outside control limits.

MC44440-3 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44440-4 for Chloroethane: Associated ICV outside control limits.

MC44440-4 for Methyl Bromide: Associated ICV outside control limits.

MC44440-4 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44440-5 for Chloroethane: Associated ICV outside control limits.

MC44440-5 for Methyl Bromide: Associated ICV outside control limits.

MC44440-5 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Lovelie Metzgar, QA Officer (signature on file)

Date: February 29, 2016

Summary of Hits

Job Number: MC44440
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44440-1	**G6M-04-01X**					
2-Butanone (MEK) [a]		7.9	5.0	3.5	ug/l	SW846 8260B
Methane		7060	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		411	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.082 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.087 J	0.10	0.054	mg/l	EPA 353.2
Nitrogen, Nitrite		0.0048 J	0.010	0.0033	mg/l	SM 21 4500 NO2 B
Sulfate [c]		13.8	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		11.8	1.0	0.81	mg/l	SW846 9060
MC44440-1F	**G6M-04-01X**					
Arsenic		75.5	4.0	2.0	ug/l	SW846 6010C
Iron		16400	100	50	ug/l	SW846 6010C
Manganese		7460	75	38	ug/l	SW846 6010C
MC44440-2	**G6M-02-01X**					
2-Butanone (MEK) [a]		9.7	5.0	3.5	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		0.89 J	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		0.53 J	1.0	0.50	ug/l	SW846 8260B
Methane		12500	200	100	ug/l	RSK-175
Alkalinity, Total as CaCO3		155	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.10 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.10	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		1.5 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		6.8	1.0	0.81	mg/l	SW846 9060
MC44440-2F	**G6M-02-01X**					
Arsenic		347	4.0	2.0	ug/l	SW846 6010C
Iron		52500	500	250	ug/l	SW846 6010C
Manganese		2420	15	7.5	ug/l	SW846 6010C
MC44440-3	**G6M-04-03X**					
cis-1,2-Dichloroethylene [a]		25.3	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		0.60 J	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		0.59 J	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		7.3	1.0	0.50	ug/l	SW846 8260B
Methane		12500	200	100	ug/l	RSK-175
Alkalinity, Total as CaCO3		456	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.099 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.10	0.10	0.054	mg/l	EPA 353.2

Summary of Hits

Job Number: MC44440
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Sulfate [c]		1.2 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		8.1	1.0	0.81	mg/l	SW846 9060
MC44440-3F	**G6M-04-03X**					
Arsenic		673	4.0	2.0	ug/l	SW846 6010C
Iron		97000	1000	500	ug/l	SW846 6010C
Manganese		15200	150	75	ug/l	SW846 6010C
MC44440-4	**DUP-1**					
cis-1,2-Dichloroethylene [a]		24.7	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		0.60 J	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		0.61 J	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		6.9	1.0	0.50	ug/l	SW846 8260B
Methane		12800	200	100	ug/l	RSK-175
Alkalinity, Total as CaCO3		406	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.097 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.10	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		1.4 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		8.2	1.0	0.81	mg/l	SW846 9060
MC44440-4F	**DUP-1**					
Arsenic		670	4.0	2.0	ug/l	SW846 6010C
Iron		96900	1000	500	ug/l	SW846 6010C
Manganese		15000	150	75	ug/l	SW846 6010C
MC44440-5	**TB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-04-01X		
Lab Sample ID:	MC44440-1	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974629.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	7.9	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-01X
Lab Sample ID: MC44440-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-01X		
Lab Sample ID:	MC44440-1	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	90%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-01X		
Lab Sample ID:	MC44440-1	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23290.D	1	02/19/16	DF	n/a	n/a	GBA1590
Run #2	BA23291.D	1	02/19/16	DF	n/a	n/a	GBA1590

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	7060 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-01X
Lab Sample ID: MC44440-1
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	411	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.082 J	0.11	0.057	mg/l	1	02/25/16 13:27	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.087 J	0.10	0.054	mg/l	1	02/25/16 13:27	EL	EPA 353.2
Nitrogen, Nitrite	0.0048 J	0.010	0.0033	mg/l	1	02/19/16 10:18	EL	SM 21 4500 NO2 B
Sulfate [b]	13.8	10	0.50	mg/l	1	03/02/16 14:30	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	11.8	1.0	0.81	mg/l	1	02/23/16 04:38	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-01X		
Lab Sample ID:	MC44440-1F	**Date Sampled:**	02/18/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/18/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	75.5	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	16400	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	7460	75	38	ug/l	5	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-02-01X		
Lab Sample ID:	MC44440-2	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974630.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	9.7	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.89	1.0	0.50	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-01X		
Lab Sample ID:	MC44440-2	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.53	1.0	0.50	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-01X		
Lab Sample ID:	MC44440-2	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-02-01X		
Lab Sample ID:	MC44440-2	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23294.D	1	02/19/16	DF	n/a	n/a	GBA1590
Run #2	BA23295.D	1	02/19/16	DF	n/a	n/a	GBA1590

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	12500 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-02-01X
Lab Sample ID: MC44440-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	155	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.10 J	0.11	0.057	mg/l	1	02/25/16 13:28	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.10	0.10	0.054	mg/l	1	02/25/16 13:28	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/19/16 10:18	EL	SM 21 4500 NO2 B
Sulfate [b]	1.5 J	10	0.50	mg/l	1	03/02/16 14:56	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	6.8	1.0	0.81	mg/l	1	02/23/16 00:27	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-02-01X
Lab Sample ID: MC44440-2F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	347	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	52500	500	250	ug/l	5	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	2420	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-03X		
Lab Sample ID:	MC44440-3	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974631.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	25.3	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-03X
Lab Sample ID: MC44440-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.60	1.0	0.50	ug/l	J
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.59	1.0	0.50	ug/l	J
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	7.3	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-03X		
Lab Sample ID:	MC44440-3	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-03X		
Lab Sample ID:	MC44440-3	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23296.D	1	02/19/16	DF	n/a	n/a	GBA1590
Run #2	BA23297.D	1	02/19/16	DF	n/a	n/a	GBA1590

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	12500 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-03X
Lab Sample ID: MC44440-3
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	456	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.099 J	0.11	0.057	mg/l	1	02/25/16 13:30	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.10	0.10	0.054	mg/l	1	02/25/16 13:30	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/19/16 10:18	EL	SM 21 4500 NO2 B
Sulfate [b]	1.2 J	10	0.50	mg/l	1	03/02/16 16:13	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	8.1	1.0	0.81	mg/l	1	02/23/16 00:43	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-03X		
Lab Sample ID:	MC44440-3F	**Date Sampled:**	02/18/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/18/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	673	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	97000	1000	500	ug/l	10	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	15200	150	75	ug/l	10	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	MC44440-4	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974632.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	24.7	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: MC44440-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.60	1.0	0.50	ug/l	J
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.61	1.0	0.50	ug/l	J
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	6.9	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	MC44440-4	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	MC44440-4	**Date Sampled:**	02/18/16
Matrix:	AQ - Ground Water	**Date Received:**	02/18/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23298.D	1	02/19/16	DF	n/a	n/a	GBA1590
Run #2	BA23299.D	1	02/19/16	DF	n/a	n/a	GBA1590

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	12800 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: MC44440-4
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	406	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.097 J	0.11	0.057	mg/l	1	02/25/16 13:31	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.10	0.10	0.054	mg/l	1	02/25/16 13:31	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/19/16 10:18	EL	SM 21 4500 NO2 B
Sulfate [b]	1.4 J	10	0.50	mg/l	1	03/02/16 16:40	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	8.2	1.0	0.81	mg/l	1	02/23/16 00:58	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: MC44440-4F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	670	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	96900	1000	500	ug/l	10	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	15000	150	75	ug/l	10	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44440-5	**Date Sampled:**	02/18/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974633.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB
Lab Sample ID: MC44440-5
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/18/16
Date Received: 02/18/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44440-5	**Date Sampled:**	02/18/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/18/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: MC44440
Accutest Control #:

Client Information

Name: H&S Environmental
Address: 160 East Main Street, Suite 2F
City: Westborough State: MA Zip: 01581
Send Report to: Laurie Ekes (lekes@hsenv.com)
Phone #: (508)367-7190

Facility Information

Project Name: Devens
Location: AOC50 February 2016
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: VOC	NaOH	HNO3	H2SO4	None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P-HNO3 Filtered	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)
66M-04-01X -1	2/18/16	1225	KA	WG	13	13	1	1	1	1	X	X	X	X	X	X	X
66M-02-01X -2	2/18/16	1410	KA	WG	13	13	1	1	1	1	X	X	X	X	X	X	X
66M-04-03X -3	2/18/16	1550	KA	WG	13	13	1	1	1	1	X	X	X	X	X	X	X
~~66M~~ DUP-1 -4	2/18/16	1600	KA	WG	13	13	1	1	1	1	X	X	X	X	X	X	X
TB -5	2/18/16	1030	KA	DI	2	2					X						

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

3I2, SD, 1DF,
INITIAL ASESSMENT WM
LABEL VERIFICATION VT

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/18/16 1745	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved	On Ice:
5		5		☐	☑ 2-1 C

SGS Accutest Sample Receipt Summary

Job Number: MC44440 **Client:** H&S ENV **Project:** DEVENS

Date / Time Received: 2/18/2016 5:45:00 PM **Delivery Method:** Client **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.1/2.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☑	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control _Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25867	SW846 6010C						
MP25867-B1	7440-38-2	Arsenic	BSP	REC	103.2	%	87-113
MP25867-B1	7439-89-6	Iron	BSP	REC	101	%	87-115
MP25867-B1	7439-96-5	Manganese	BSP	REC	105.4	%	90-114
MP25867-S1	7440-38-2	Arsenic	MS	REC	107.1	%	87-113
MP25867-S1	7439-89-6	Iron	MS	REC	107	%	87-115
MP25867-S1	7439-96-5	Manganese	MS	REC	110	%	90-114
MP25867-S2	7440-38-2	Arsenic	MSD	REC	107.9	%	87-113
MP25867-S2	7440-38-2	Arsenic	MSD	RPD	.7	%	20
MP25867-S2	7439-89-6	Iron	MSD	REC	107	%	87-115
MP25867-S2	7439-89-6	Iron	MSD	RPD	0	%	20
MP25867-S2	7439-96-5	Manganese	MSD	REC	104	%	90-114
MP25867-S2	7439-96-5	Manganese	MSD	RPD	.4	%	20

* Sample used for QC is not from job MC44440

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44440
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1590-MB	BA23286.D	1	02/19/16	DF	n/a	n/a	GBA1590

The QC reported here applies to the following samples: **Method:** RSK-175

MC44440-1, MC44440-2, MC44440-3, MC44440-4

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44440
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1590-BSP	BA23289.D	1	02/19/16	DF	n/a	n/a	GBA1590

The QC reported here applies to the following samples: **Method:** RSK-175

MC44440-1, MC44440-2, MC44440-3, MC44440-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	96.4	109	50-150
74-84-0	Ethane	166	176	106	50-150
74-85-1	Ethene	155	186	120	50-150

* = Outside of Control Limits.

Duplicate Summary

Job Number: MC44440
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44440-1DUP	BA23292.D	1	02/19/16	DF	n/a	n/a	GBA1590
MC44440-1	BA23290.D	1	02/19/16	DF	n/a	n/a	GBA1590
MC44440-1	BA23291.D	1	02/19/16	DF	n/a	n/a	GBA1590

The QC reported here applies to the following samples: **Method:** RSK-175

MC44440-1, MC44440-2, MC44440-3, MC44440-4

CAS No.	Compound	MC44440-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	7060 [b]		9860	E	33* [a]	30
74-84-0	Ethane	10 U		ND		nc	30
74-85-1	Ethene	10 U		ND		nc	30

(a) High recovery/RPD due to possible nonhomogeneity between sample bottles.
(b) Result is from Run #2.

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.40	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	4.3	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.30	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25867: MC44440-1F, MC44440-2F, MC44440-3F, MC44440-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	75.5	611	500	107.1	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	16400	27100	10000	107.0	75-125
Lead					
Lithium					
Magnesium					
Manganese	7460	8010	500	110.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44440-1F, MC44440-2F, MC44440-3F, MC44440-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	75.5	615	500	107.9	0.7	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	16400	27100	10000	107.0	0.0	20
Lead						
Lithium						
Magnesium						
Manganese	7460	7980	500	104.0	0.4	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25867: MC44440-1F, MC44440-2F, MC44440-3F, MC44440-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	516	500	103.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	10100	10000	101.0	80-120
Lead				
Lithium				
Magnesium				
Manganese	527	500	105.4	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44440-1F, MC44440-2F, MC44440-3F, MC44440-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	75.5	81.4	7.8	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	16400	16900	3.1	0-10
Lead				
Lithium				
Magnesium				
Manganese	7460	7370	1.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25867: MC44440-1F, MC44440-2F, MC44440-3F, MC44440-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53112	5.0	0.0	mg/l	250	264	105.6	80-120%
Alkalinity, Total as CaCO3	GN53113	5.0	0.0	mg/l	250	261	104.4	80-120%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	0.10	0.048	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrite	GP20129/GN53099	0.010	0.0	mg/l	0.02	0.021	105.0	80-120%
Sulfide	GN53141	2.0	0.0	mg/l	12.2	12.2	100.0	80-120%
Total Organic Carbon	GP20138/GN53125	1.0	0.0	mg/l	10	9.05	90.5	80-120%
Total Organic Carbon	GP20139/GN53125	1.0	0.0	mg/l	10	9.01	90.1	80-120%

Associated Samples:
Batch GN53112: MC44440-1
Batch GN53113: MC44440-2, MC44440-3, MC44440-4
Batch GN53141: MC44440-1, MC44440-2, MC44440-3, MC44440-4
Batch GP20129: MC44440-1, MC44440-2, MC44440-3, MC44440-4
Batch GP20138: MC44440-2, MC44440-3, MC44440-4
Batch GP20139: MC44440-1
Batch GP20153: MC44440-1, MC44440-2, MC44440-3, MC44440-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53112	MC44419-1	mg/l	540	541	0.2	0-20%
Alkalinity, Total as CaCO3	GN53113	MC44440-2	mg/l	155	157	1.3	0-20%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	0.076	13.5	0-20%
Nitrogen, Nitrite	GP20129/GN53099	MC44440-1	mg/l	0.0048	0.0054	11.8	0-20%
Sulfide	GN53141	MC44440-2	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53112: MC44440-1
Batch GN53113: MC44440-2, MC44440-3, MC44440-4
Batch GN53141: MC44440-1, MC44440-2, MC44440-3, MC44440-4
Batch GP20129: MC44440-1, MC44440-2, MC44440-3, MC44440-4
Batch GP20153: MC44440-1, MC44440-2, MC44440-3, MC44440-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53112	MC44419-1	mg/l	540	250	806	106.4	75-125%
Alkalinity, Total as CaCO3	GN53113	MC44440-2	mg/l	155	250	397	96.8	75-125%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	2	2.0	95.7	90-110%
Nitrogen, Nitrite	GP20129/GN53099	MC44440-1	mg/l	0.0048	0.02	0.024	96.0	75-125%
Sulfide	GN53141	MC44440-1	mg/l	0.34 U	12.2	11.8	96.7	75-125%
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	11.5	93.0	75-125%
Total Organic Carbon	GP20139/GN53125	MC44440-1	mg/l	11.8	10	20.1	83.0	75-125%

Associated Samples:
Batch GN53112: MC44440-1
Batch GN53113: MC44440-2, MC44440-3, MC44440-4
Batch GN53141: MC44440-1, MC44440-2, MC44440-3, MC44440-4
Batch GP20129: MC44440-1, MC44440-2, MC44440-3, MC44440-4
Batch GP20138: MC44440-2, MC44440-3, MC44440-4
Batch GP20139: MC44440-1
Batch GP20153: MC44440-1, MC44440-2, MC44440-3, MC44440-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20138/GN53125	MC44347-4	mg/l	2.2	10	12.0	4.3	20%
Total Organic Carbon	GP20139/GN53125	MC44440-1	mg/l	11.8	10	20.3	1.0	20%

Associated Samples:
Batch GP20138: MC44440-2, MC44440-3, MC44440-4
Batch GP20139: MC44440-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44440

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175;
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD ,VMS+8260C ,VMS+MTBE ,	LAB USE ONLY
1	G6M-04-01X		2/18/16	12:25:00 PM	KGA	AQ	2	x								X	
2	G6M-02-01X		2/18/16	2:10:00 PM	KGA	AQ	2	x								X	
3	G6M-04-03X		2/18/16	3:50:00 PM	KGA	AQ	2	x								X	
4	DUP-1		2/18/16	4:00:00 PM	KGA	AQ	2	x								X	
5	TB		2/18/16	10:30:00 AM	KGA	AQ	2	x								X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/3/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE – DOD ***NEED 8260C method***
See attached in regards to number of vials submitted.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 2-19-16	Received By: 1 FEDX	Relinquished By: 2 FX	Date Time: 2-20-16	Received By: 2 J. Cooper (ALSE) 10:15
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not Intact	Preserved where applicable [ ] On Ice [ ] Cooler Temp. 3.4

9.1

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MC44440: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC44440 CLIENT: ALNE PROJECT: Fort Devens

DATE/TIME RECEIVED: 2-20-16 10:15 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6595 2492 3200

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 2-22-16 REVIEWER SIGNATURE/DATE: _____

NF 11/15 receipt confirmation 111015.xls

9.1

9



ORIGIN ID:BBFA (508) 481-6200
SAMPLE MANAGEMENT
SGS ACCUTEST LABORATORIES
50 D'ANGELO DR.
485 TECH CENTER W., BUILDING 1
MARLBOROUGH, MA 01752
UNITED STATES US

SHIP DATE: 19FEB16
ACTWGT: 33.0 LB MAN
CAD: 0990801/CAFE2915

BILL SENDER

TO SAMPLE MANAGEMENT
SGS ACCUTEST SOUTHEAST
4405 VINELAND RD
SUITE C-15
ORLANDO FL 328115803
(407) 426-6700
INV:
PO:
REF:
DEPT:

FedEx Express

TRK# 0201 6595 2492 3200

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO TIXA

32811
FL-US MCO

UNV12303
MADE IN USA

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218	SW846 8260B						
VJ5218-BS	67-64-1	Acetone	BSP	REC	100	%	39-160
VJ5218-BS	71-43-2	Benzene	BSP	REC	110	%	79-120
VJ5218-BS	108-86-1	Bromobenzene	BSP	REC	111	%	80-120
VJ5218-BS	74-97-5	Bromochloromethane	BSP	REC	104	%	78-123
VJ5218-BS	75-27-4	Bromodichloromethane	BSP	REC	107	%	79-125
VJ5218-BS	75-25-2	Bromoform	BSP	REC	94	%	66-130
VJ5218-BS	78-93-3	2-Butanone (MEK)	BSP	REC	87	%	56-143
VJ5218-BS	104-51-8	n-Butylbenzene	BSP	REC	118	%	75-128
VJ5218-BS	135-98-8	sec-Butylbenzene	BSP	REC	127	%	77-126
VJ5218-BS	98-06-6	tert-Butylbenzene	BSP	REC	114	%	78-124
VJ5218-BS	75-15-0	Carbon Disulfide	BSP	REC	118	%	64-133
VJ5218-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VJ5218-BS	108-90-7	Chlorobenzene	BSP	REC	109	%	82-118
VJ5218-BS	75-00-3	Chloroethane	BSP	REC	128	%	60-138
VJ5218-BS	67-66-3	Chloroform	BSP	REC	110	%	79-124
VJ5218-BS	95-49-8	o-Chlorotoluene	BSP	REC	115	%	79-122
VJ5218-BS	106-43-4	p-Chlorotoluene	BSP	REC	112	%	78-122
VJ5218-BS	124-48-1	Dibromochloromethane	BSP	REC	100	%	74-126
VJ5218-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	79	%	62-128
VJ5218-BS	106-93-4	1,2-Dibromoethane	BSP	REC	100	%	77-121
VJ5218-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	123	%	32-152
VJ5218-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	110	%	80-119
VJ5218-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	118	%	80-119
VJ5218-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	110	%	79-118
VJ5218-BS	75-34-3	1,1-Dichloroethane	BSP	REC	110	%	77-125
VJ5218-BS	107-06-2	1,2-Dichloroethane	BSP	REC	97	%	73-128
VJ5218-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
VJ5218-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	103	%	78-123
VJ5218-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	117	%	75-124
VJ5218-BS	78-87-5	1,2-Dichloropropane	BSP	REC	104	%	78-122
VJ5218-BS	142-28-9	1,3-Dichloropropane	BSP	REC	96	%	80-119
VJ5218-BS	594-20-7	2,2-Dichloropropane	BSP	REC	110	%	60-139
VJ5218-BS	563-58-6	1,1-Dichloropropene	BSP	REC	112	%	79-125
VJ5218-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	99	%	75-124
VJ5218-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	112	%	73-127
VJ5218-BS	100-41-4	Ethylbenzene	BSP	REC	107	%	79-121
VJ5218-BS	87-68-3	Hexachlorobutadiene	BSP	REC	106	%	66-134
VJ5218-BS	591-78-6	2-Hexanone	BSP	REC	88	%	57-139
VJ5218-BS	98-82-8	Isopropylbenzene	BSP	REC	108	%	72-131
VJ5218-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
VJ5218-BS	74-83-9	Methyl Bromide	BSP	REC	105	%	53-141
VJ5218-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139

* Sample used for QC is not from job MC44440

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218-BS	74-88-4	Methyl Iodide	BSP	REC	114	%	69-131
VJ5218-BS	74-95-3	Methylene Bromide	BSP	REC	102	%	79-123
VJ5218-BS	75-09-2	Methylene Chloride	BSP	REC	100	%	74-124
VJ5218-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	86	%	67-130
VJ5218-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	91	%	71-124
VJ5218-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
VJ5218-BS	103-65-1	n-Propylbenzene	BSP	REC	126	%	76-126
VJ5218-BS	100-42-5	Styrene	BSP	REC	115	%	78-123
VJ5218-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	110	%	78-124
VJ5218-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	90	%	71-121
VJ5218-BS	127-18-4	Tetrachloroethylene	BSP	REC	108	%	74-129
VJ5218-BS	108-88-3	Toluene	BSP	REC	110	%	80-121
VJ5218-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	96	%	69-129
VJ5218-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	69-130
VJ5218-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	104	%	74-131
VJ5218-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	99	%	80-119
VJ5218-BS	79-01-6	Trichloroethylene	BSP	REC	114	%	79-123
VJ5218-BS	75-69-4	Trichlorofluoromethane	BSP	REC	112	%	65-141
VJ5218-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	90	%	73-122
VJ5218-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	115	%	76-124
VJ5218-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	117	%	75-124
VJ5218-BS	108-05-4	Vinyl Acetate	BSP	REC	89	%	54-146
VJ5218-BS	75-01-4	Vinyl Chloride	BSP	REC	112	%	58-137
VJ5218-BS		m,p-Xylene	BSP	REC	110	%	80-121
VJ5218-BS	95-47-6	o-Xylene	BSP	REC	113	%	78-122
VJ5218-BS	1330-20-7	Xylene (total)	BSP	REC	111	%	79-121
VJ5218-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5218-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	91	%	81-118
VJ5218-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VJ5218-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
MC44458-3MS*	67-64-1	Acetone	MS	REC	76	%	39-160
MC44458-3MS*	71-43-2	Benzene	MS	REC	111	%	79-120
MC44458-3MS*	108-86-1	Bromobenzene	MS	REC	113	%	80-120
MC44458-3MS*	74-97-5	Bromochloromethane	MS	REC	107	%	78-123
MC44458-3MS*	75-27-4	Bromodichloromethane	MS	REC	106	%	79-125
MC44458-3MS*	75-25-2	Bromoform	MS	REC	84	%	66-130
MC44458-3MS*	78-93-3	2-Butanone (MEK)	MS	REC	74	%	56-143
MC44458-3MS*	104-51-8	n-Butylbenzene	MS	REC	115	%	75-128
MC44458-3MS*	135-98-8	sec-Butylbenzene	MS	REC	127	%	77-126
MC44458-3MS*	98-06-6	tert-Butylbenzene	MS	REC	111	%	78-124
MC44458-3MS*	75-15-0	Carbon Disulfide	MS	REC	106	%	64-133
MC44458-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	112	%	72-136
MC44458-3MS*	108-90-7	Chlorobenzene	MS	REC	110	%	82-118
MC44458-3MS*	75-00-3	Chloroethane	MS	REC	142	%	60-138
MC44458-3MS*	67-66-3	Chloroform	MS	REC	112	%	79-124

* Sample used for QC is not from job MC44440

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	95-49-8	o-Chlorotoluene	MS	REC	117	%	79-122
MC44458-3MS*	106-43-4	p-Chlorotoluene	MS	REC	112	%	78-122
MC44458-3MS*	124-48-1	Dibromochloromethane	MS	REC	94	%	74-126
MC44458-3MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	74	%	62-128
MC44458-3MS*	106-93-4	1,2-Dibromoethane	MS	REC	100	%	77-121
MC44458-3MS*	75-71-8	Dichlorodifluoromethane	MS	REC	119	%	32-152
MC44458-3MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	110	%	80-119
MC44458-3MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	116	%	80-119
MC44458-3MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	109	%	79-118
MC44458-3MS*	75-34-3	1,1-Dichloroethane	MS	REC	111	%	77-125
MC44458-3MS*	107-06-2	1,2-Dichloroethane	MS	REC	96	%	73-128
MC44458-3MS*	75-35-4	1,1-Dichloroethylene	MS	REC	118	%	71-131
MC44458-3MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	106	%	78-123
MC44458-3MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
MC44458-3MS*	78-87-5	1,2-Dichloropropane	MS	REC	103	%	78-122
MC44458-3MS*	142-28-9	1,3-Dichloropropane	MS	REC	95	%	80-119
MC44458-3MS*	594-20-7	2,2-Dichloropropane	MS	REC	105	%	60-139
MC44458-3MS*	563-58-6	1,1-Dichloropropene	MS	REC	107	%	79-125
MC44458-3MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	91	%	75-124
MC44458-3MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	106	%	73-127
MC44458-3MS*	100-41-4	Ethylbenzene	MS	REC	107	%	79-121
MC44458-3MS*	87-68-3	Hexachlorobutadiene	MS	REC	96	%	66-134
MC44458-3MS*	591-78-6	2-Hexanone	MS	REC	79	%	57-139
MC44458-3MS*	98-82-8	Isopropylbenzene	MS	REC	108	%	72-131
MC44458-3MS*	99-87-6	p-Isopropyltoluene	MS	REC	105	%	77-127
MC44458-3MS*	74-83-9	Methyl Bromide	MS	REC	120	%	53-141
MC44458-3MS*	74-87-3	Methyl Chloride	MS	REC	108	%	50-139
MC44458-3MS*	74-88-4	Methyl Iodide	MS	REC	111	%	69-131
MC44458-3MS*	74-95-3	Methylene Bromide	MS	REC	103	%	79-123
MC44458-3MS*	75-09-2	Methylene Chloride	MS	REC	94	%	74-124
MC44458-3MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	82	%	67-130
MC44458-3MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	93	%	71-124
MC44458-3MS*	91-20-3	Naphthalene	MS	REC	90	%	61-128
MC44458-3MS*	103-65-1	n-Propylbenzene	MS	REC	126	%	76-126
MC44458-3MS*	100-42-5	Styrene	MS	REC	112	%	78-123
MC44458-3MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	112	%	78-124
MC44458-3MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	93	%	71-121
MC44458-3MS*	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
MC44458-3MS*	108-88-3	Toluene	MS	REC	109	%	80-121
MC44458-3MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	93	%	69-129
MC44458-3MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
MC44458-3MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	106	%	74-131
MC44458-3MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	100	%	80-119
MC44458-3MS*	79-01-6	Trichloroethylene	MS	REC	116	%	79-123
MC44458-3MS*	75-69-4	Trichlorofluoromethane	MS	REC	124	%	65-141

* Sample used for QC is not from job MC44440

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
MC44458-3MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	115	%	76-124
MC44458-3MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	115	%	75-124
MC44458-3MS*	108-05-4	Vinyl Acetate	MS	REC	83	%	54-146
MC44458-3MS*	75-01-4	Vinyl Chloride	MS	REC	123	%	58-137
MC44458-3MS*		m,p-Xylene	MS	REC	110	%	80-121
MC44458-3MS*	95-47-6	o-Xylene	MS	REC	114	%	78-122
MC44458-3MS*	1330-20-7	Xylene (total)	MS	REC	111	%	79-121
MC44458-3MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
MC44458-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	89	%	81-118
MC44458-3MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
MC44458-3MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
MC44458-3MSD*	67-64-1	Acetone	MSD	REC	84	%	39-160
MC44458-3MSD*	67-64-1	Acetone	MSD	RPD	11	%	20
MC44458-3MSD*	71-43-2	Benzene	MSD	REC	110	%	79-120
MC44458-3MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	REC	112	%	80-120
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	REC	105	%	78-123
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	REC	99	%	79-125
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	RPD	7	%	20
MC44458-3MSD*	75-25-2	Bromoform	MSD	REC	79	%	66-130
MC44458-3MSD*	75-25-2	Bromoform	MSD	RPD	6	%	20
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	79	%	56-143
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	6	%	20
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	REC	114	%	75-128
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	REC	125	%	77-126
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	REC	113	%	78-124
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	REC	100	%	64-133
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	RPD	6	%	20
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	103	%	72-136
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	REC	109	%	82-118
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-00-3	Chloroethane	MSD	REC	131	%	60-138
MC44458-3MSD*	75-00-3	Chloroethane	MSD	RPD	8	%	20
MC44458-3MSD*	67-66-3	Chloroform	MSD	REC	110	%	79-124
MC44458-3MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	REC	117	%	79-122
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	REC	113	%	78-122

* Sample used for QC is not from job MC44440

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	REC	88	%	74-126
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	RPD	6	%	20
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	74	%	62-128
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	99	%	77-121
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	115	%	32-152
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	3	%	20
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	111	%	80-119
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	117	%	80-119
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	110	%	79-118
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	110	%	77-125
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	97	%	73-128
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	116	%	71-131
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	116	%	75-124
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	105	%	78-122
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	97	%	80-119
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	104	%	60-139
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	106	%	79-125
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	88	%	75-124
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	100	%	73-127
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	REC	105	%	79-121
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	98	%	66-134
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	2	%	20
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	REC	82	%	57-139
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	RPD	4	%	20
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	REC	105	%	72-131
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44440

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	104	%	77-127
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	REC	112	%	53-141
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	RPD	7	%	20
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	REC	103	%	50-139
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	RPD	5	%	20
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	REC	112	%	69-131
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	RPD	1	%	20
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	REC	93	%	74-124
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	87	%	67-130
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	6	%	20
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
MC44458-3MSD*	91-20-3	Naphthalene	MSD	REC	94	%	61-128
MC44458-3MSD*	91-20-3	Naphthalene	MSD	RPD	5	%	20
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	REC	126	%	76-126
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
MC44458-3MSD*	100-42-5	Styrene	MSD	REC	106	%	78-123
MC44458-3MSD*	100-42-5	Styrene	MSD	RPD	5	%	20
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	108	%	78-124
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	4	%	20
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	REC	104	%	74-129
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	108-88-3	Toluene	MSD	REC	108	%	80-121
MC44458-3MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	100	%	69-129
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	102	%	69-130
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	103	%	74-131
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	103	%	80-119
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	REC	119	%	79-123
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	115	%	65-141
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	8	%	20
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	96	%	73-122
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	5	%	20
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	114	%	76-124

* Sample used for QC is not from job MC44440

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	113	%	75-124
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	REC	85	%	54-146
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	REC	115	%	58-137
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
MC44458-3MSD*		m,p-Xylene	MSD	REC	106	%	80-121
MC44458-3MSD*		m,p-Xylene	MSD	RPD	4	%	20
MC44458-3MSD*	95-47-6	o-Xylene	MSD	REC	110	%	78-122
MC44458-3MSD*	95-47-6	o-Xylene	MSD	RPD	3	%	20
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	REC	108	%	79-121
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	RPD	4	%	20
MC44458-3MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
MC44458-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	89	%	81-118
MC44458-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
MC44458-3MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5218-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
VJ5218-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	92	%	81-118
VJ5218-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5218-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	101	%	85-114
MC44440-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
MC44440-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	90	%	81-118
MC44440-1	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44440-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44440-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44440-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44440-2	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
MC44440-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
MC44440-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44440-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	92	%	81-118
MC44440-3	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44440-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
MC44440-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44440-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44440-4	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
MC44440-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
MC44440-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
MC44440-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44440-5	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
MC44440-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114

* Sample used for QC is not from job MC44440

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Blank Spike Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	125	100	50-147
71-43-2	Benzene	25	27.4	110	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.9	104	76-123
75-27-4	Bromodichloromethane	25	26.7	107	79-123
75-25-2	Bromoform	25	23.5	94	66-123
78-93-3	2-Butanone (MEK)	125	109	87	56-143
104-51-8	n-Butylbenzene	25	29.4	118	79-126
135-98-8	sec-Butylbenzene	25	31.7	127	83-133
98-06-6	tert-Butylbenzene	25	28.4	114	80-133
75-15-0	Carbon Disulfide	25	29.6	118	66-148
56-23-5	Carbon Tetrachloride	25	27.9	112	76-136
108-90-7	Chlorobenzene	25	27.2	109	82-124
75-00-3	Chloroethane	25	31.9	128	62-144
67-66-3	Chloroform	25	27.5	110	80-124
95-49-8	o-Chlorotoluene	25	28.8	115	81-127
106-43-4	p-Chlorotoluene	25	28.1	112	83-130
124-48-1	Dibromochloromethane	25	24.9	100	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	19.8	79	64-123
106-93-4	1,2-Dibromoethane	25	24.9	100	75-120
75-71-8	Dichlorodifluoromethane	25	30.8	123	42-167
95-50-1	1,2-Dichlorobenzene	25	27.6	110	82-124
541-73-1	1,3-Dichlorobenzene	25	29.4	118	84-125
106-46-7	1,4-Dichlorobenzene	25	27.4	110	78-120
75-34-3	1,1-Dichloroethane	25	27.5	110	81-122
107-06-2	1,2-Dichloroethane	25	24.2	97	75-125
75-35-4	1,1-Dichloroethylene	25	29.5	118	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.3	117	76-127
78-87-5	1,2-Dichloropropane	25	26.0	104	76-124
142-28-9	1,3-Dichloropropane	25	24.0	96	80-118
594-20-7	2,2-Dichloropropane	25	27.6	110	74-139
563-58-6	1,1-Dichloropropene	25	27.9	112	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	75-118
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	80-120
100-41-4	Ethylbenzene	25	26.8	107	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	26.4	106	75-142
591-78-6	2-Hexanone	125	110	88	61-129
98-82-8	Isopropylbenzene	25	27.0	108	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	26.3	105	59-143
74-87-3	Methyl Chloride	25	26.4	106	50-159
74-88-4	Methyl Iodide	25	28.4	114	73-123
74-95-3	Methylene Bromide	25	25.6	102	78-119
75-09-2	Methylene Chloride	25	25.0	100	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	108	86	66-122
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	72-117
91-20-3	Naphthalene	25	22.9	92	63-132
103-65-1	n-Propylbenzene	25	31.6	126	82-133
100-42-5	Styrene	25	28.7	115	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.6	110	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	72-120
127-18-4	Tetrachloroethylene	25	27.1	108	76-135
108-88-3	Toluene	25	27.5	110	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.0	96	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.0	100	73-129
71-55-6	1,1,1-Trichloroethane	25	25.9	104	75-130
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
79-01-6	Trichloroethylene	25	28.4	114	81-126
75-69-4	Trichlorofluoromethane	25	28.1	112	71-156
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-120
95-63-6	1,2,4-Trimethylbenzene	25	28.8	115	79-120
108-67-8	1,3,5-Trimethylbenzene	25	29.2	117	79-120
108-05-4	Vinyl Acetate	125	111	89	43-154
75-01-4	Vinyl Chloride	25	28.0	112	69-159
	m,p-Xylene	50	55.0	110	79-126
95-47-6	o-Xylene	25	28.3	113	80-127
1330-20-7	Xylene (total)	75	83.3	111	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	94.4	76	125	105	84	11	50-147/21
71-43-2	Benzene	1.0 U		25	27.8	111	25	27.5	110	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	28.3	113	25	28.1	112	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.7	107	25	26.2	105	2	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.6	106	25	24.8	99	7	79-123/19
75-25-2	Bromoform	1.0 U		25	21.1	84	25	19.8	79	6	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	92.3	74	125	98.3	79	6	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	28.8	115	25	28.5	114	1	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	31.7	127	25	31.3	125	1	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	27.8	111	25	28.2	113	1	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	26.5	106	25	25.0	100	6	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	28.0	112	25	25.7	103	9	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	27.6	110	25	27.2	109	1	82-124/14
75-00-3	Chloroethane	2.0 U		25	35.5	142	25	32.7	131	8	62-144/20
67-66-3	Chloroform	1.0 U		25	27.9	112	25	27.5	110	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	29.3	117	25	29.2	117	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	28.1	112	25	28.2	113	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	23.4	94	25	22.0	88	6	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	18.5	74	25	18.4	74	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	25.0	100	25	24.8	99	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	29.8	119	25	28.8	115	3	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	27.5	110	25	27.7	111	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	28.9	116	25	29.3	117	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	27.3	109	25	27.6	110	1	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.7	111	25	27.4	110	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	24.1	96	25	24.2	97	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.6	118	25	29.0	116	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.4	106	25	26.4	106	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.3	117	25	29.0	116	1	76-127/17
78-87-5	1,2-Dichloropropane	1.0 U		25	25.7	103	25	26.3	105	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.8	95	25	24.2	97	2	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	26.2	105	25	25.9	104	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.7	107	25	26.6	106	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.7	91	25	22.0	88	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.4	106	25	25.1	100	5	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	25	26.3	105	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	24.1	96	25	24.6	98	2	75-142/19
591-78-6	2-Hexanone	10 U		125	98.2	79	125	102	82	4	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.9	108	25	26.3	105	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.2	105	25	26.0	104	1	79-130/16
74-83-9	Methyl Bromide	2.0 U		25	30.0	120	25	28.1	112	7	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	27.1	108	25	25.8	103	5	50-159/19
74-88-4	Methyl Iodide	1.0 U		25	27.8	111	25	28.0	112	1	73-123/16
74-95-3	Methylene Bromide	2.0 U		25	25.7	103	25	25.8	103	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	23.4	94	25	23.2	93	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	103	82	125	109	87	6	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.3	93	25	23.5	94	1	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.4	90	25	23.5	94	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	31.6	126	25	31.5	126	0	82-133/15
100-42-5	Styrene	1.0 U		25	28.0	112	25	26.6	106	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	28.0	112	25	26.9	108	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.2	93	25	24.0	96	3	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	26.4	106	25	25.9	104	2	76-135/16
108-88-3	Toluene	1.0 U		25	27.2	109	25	26.9	108	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.3	93	25	25.1	100	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.0	96	25	25.5	102	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.4	106	25	25.7	103	3	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.0	100	25	25.7	103	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	29.0	116	25	29.7	119	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	31.0	124	25	28.7	115	8	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	22.9	92	25	24.1	96	5	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	28.7	115	25	28.5	114	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	28.8	115	25	28.3	113	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	104	83	125	106	85	2	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	30.8	123	25	28.7	115	7	69-159/18
	m,p-Xylene	2.0 U		50	55.2	110	50	53.2	106	4	79-126/15
95-47-6	o-Xylene	1.0 U		25	28.4	114	25	27.6	110	3	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	83.6	111	75	80.7	108	4	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44440-1, MC44440-2, MC44440-3, MC44440-4, MC44440-5

CAS No.	Surrogate Recoveries	MS	MSD	MC44458-3	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	91%	79-125%
2037-26-5	Toluene-D8	98%	97%	104%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	104%	83-118%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44440
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44440-1	J0974629.D	96	90	103	103
MC44440-2	J0974630.D	97	91	102	102
MC44440-3	J0974631.D	98	92	103	101
MC44440-4	J0974632.D	98	91	102	101
MC44440-5	J0974633.D	96	91	100	101
MC44458-3MS	J0974646.D	100	89	98	94
MC44458-3MSD	J0974647.D	101	89	97	95
VJ5218-BS	J0974627.D	101	91	100	97
VJ5218-MB	J0974626.D	95	92	101	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking # 6595 2492 3255 | Bottle Order Control # | SGS Accutest Quote # | SGS Accutest Job # MC44440

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1	G6M-04-01X		2/18/16	12:25:00 PM	KGA	AQ	1					x				X	
2	G6M-02-01X		2/18/16	2:10:00 PM	KGA	AQ	1					x				X	MA
3	G6M-04-03X		2/18/16	3:50:00 PM	KGA	AQ	1					x				X	
4	DUP-1		2/18/16	4:00:00 PM	KGA	AQ	1					x				X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/3/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – SO4 by 300
**DOD

INITIAL ASESSMENT AM 3A

LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 2/22/16	Received By: 1 FedEx	Relinquished By: 2 FX	Date Time: 2-23-16 930	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seals: [ ] Intact [ ] Not intact	Preserved where applicable: [ ]	On Ice: [ ] Cooler Temp. 2-3°C IR

11.1 11

SGS Accutest Sample Receipt Summary

Job Number: MC44440 **Client:** _____ **Project:** _____

Date / Time Received: 2/23/2016 9:30:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

MC44440: Chain of Custody
Page 2 of 2

QC Evaluation: DOD QSM5 Limits

Job Number: MC44440
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44440

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP95850/GN41603	0.50	0.0	mg/l	80	81.9	102.4	90-110%
Sulfate	GP95850/GN41603	2.0	0.0	mg/l	80	80.2	100.3	90-110%

Associated Samples:
Batch GP95850: MC44440-1, MC44440-2, MC44440-3, MC44440-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP95850/GN41423	JC14479-1	mg/l	183	183	0.0	0-20%
Sulfate	GP95850/GN41603	JC14479-1	mg/l	3740	3720	0.5	0-20%

Associated Samples:
Batch GP95850: MC44440-1, MC44440-2, MC44440-3, MC44440-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44440
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP95850/GN41423	JC14479-1	mg/l	183	80	259	95.0	80-120%
Sulfate	GP95850/GN41603	JC14479-1	mg/l	3740	1600	6230	155.6N(a)	80-120%

Associated Samples:
Batch GP95850: MC44440-1, MC44440-2, MC44440-3, MC44440-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

KOMAN Government Solutions, LLC

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44524



Sampling Date: 02/24/16

Report to:

KOMAN Government Solutions, LLC
160 East Main Street
Westborough, MA 01581
lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: 72

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

KOMAN Government Solutions, LLC

Job No: MC44524

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44524-1	02/24/16	15:10	KGA	02/24/16	AQ	Ground Water	G6M-03-08X
MC44524-1F	02/24/16	15:10	KGA	02/24/16	AQ	Groundwater Filtered	G6M-03-08X
MC44524-2	02/24/16	13:30	KGA	02/24/16	AQ	Trip Blank Water	TB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: KOMAN Government Solutions, LLC **Job No** MC44524

Site: Fort Devens, AOC50, Devens, MA **Report Date** 3/7/2016 5:32:06 PM

1 Sample(s) and 1 Trip Blank(s) were collected on 02/24/2016 and were received at SGS Accutest New England on 02/24/2016 properly preserved, at 0.2 Deg. C and intact. These Samples received a job number of MC44524. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5223

- Analysis performed at Accutest Laboratories, Orlando FL.

FA31780-4MS Recovery(s) for Bromoform, Dibromochloromethane, m,p-Xylene are outside DoD control limits.

FA31780-4MSD Recovery(s) for m,p-Xylene, Xylene (total) are outside DoD control limits.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1594

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25867

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1FMS, MC44440-1FMSD, MC44440-1FSDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95969

- MC44524-1 for Sulfate: Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20180

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44616-1ADUP, MC44616-1AMS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38072

- MC44524-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20157

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP, MC44524-1MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53184

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP, MC44524-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ **Batch ID:** GN53185

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44589-1DUP, MC44589-1MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ **Batch ID:** GP20170

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44478-1MS, MC44478-1MSD were used as the QC samples for Total Organic Carbon.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC44524).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44524
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	3/4/2016 4:39:25 PM

On 02/26/2016, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 1.8 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44524 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95969

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14499-1DUP, JC14499-1MS were used as the QC samples for Sulfate.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job** MC44524

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 3/3/2016 1:19:37 PM

1 Sample and 1 Trip Blank were collected on 02/24/2016 and were received at Accutest SE on 02/26/2016 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of MC44524. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5223

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31780-4MS, FA31780-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Bromoform, Dibromochloromethane, m,p-Xylene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Dibromochloromethane, m,p-Xylene, Xylene (total) are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Lovelie Metzgar, QA Officer (signature on file)

Date: March 3, 2016

Summary of Hits

Job Number: MC44524
Account: KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44524-1	**G6M-03-08X**					
cis-1,2-Dichloroethylene [a]		3.0	1.0	0.50	ug/l	SW846 8260B
Methane		90.7	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		155	5.0	3.9	mg/l	SM21 2320B
Sulfate [b]		3.1 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.8	1.0	0.81	mg/l	SW846 9060
MC44524-1F	**G6M-03-08X**					
Arsenic		8.2	4.0	2.0	ug/l	SW846 6010C
Iron		1030	100	50	ug/l	SW846 6010C
Manganese		4710	75	38	ug/l	SW846 6010C
MC44524-2	**TB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974767.D	1	03/02/16	AFL	n/a	n/a	F:VJ5223
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-08X
Lab Sample ID: MC44524-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/24/16
Date Received: 02/24/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23362.D	1	02/26/16	DF	n/a	n/a	GBA1594
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	90.7	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	155	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.057 U	0.11	0.057	mg/l	1	03/05/16 10:20	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.054 U	0.10	0.054	mg/l	1	03/05/16 10:20	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/26/16 09:35	EL	SM 21 4500 NO2 B
Sulfate [b]	3.1 J	10	0.50	mg/l	1	03/04/16 00:37	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	03/01/16	BF	SM21 4500 S F
Total Organic Carbon	1.8	1.0	0.81	mg/l	1	03/02/16 23:19	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1F	**Date Sampled:**	02/24/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/24/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.2	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	1030	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	4710	75	38	ug/l	5	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44524-2	**Date Sampled:**	02/24/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974768.D	1	03/02/16	AFL	n/a	n/a	F:VJ5223
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB
Lab Sample ID: MC44524-2
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/24/16
Date Received: 02/24/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44524-2	**Date Sampled:**	02/24/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #: MC44524

Client Information		Facility Information	
Name: H&S Environmental		Project Name: Devens	
Address: 160 East Main Street, Suite 2F		Location: AOC50 February 2016	
City: Westborough		Project No.	
State: MA	Zip: 01581		
Send Report to: Laurie Ekes (lekes@hsenv.com)			
Phone #: (508)367-7190		FAX #:	

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation VOC	NaOH	HNO3	H2So4	None	VOCs (3/40ml VOA vials/HCl) 1	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P/HNO3 (Filter)	Dissolved Gases (3-40ml VOA/HCl) RSK175 2	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
1F 66M-03-08X	2/24/16	1510	KGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X				
2 TB	2/24/16	1330	KGA	DI	2	2					X										
																					11E
																					5E
																					3L3

Turnaround Information

- [x] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [x] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

INITIAL ASESSMENT WM

LABEL VERIFICATION WM

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2/24/16 1735	1 [signature]	2		2
3		3	4		4
5		5	Seal #	Preserved ☐	On Ice: ☑ 0.2°

5.1

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MC44524: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC44524 **Client:** H&S ENVIRONMENTAL **Project:** DEVENS

Date / Time Received: 2/24/2016 5:35:00 PM **Delivery Method:** COURIER **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (0.2/0.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25867	SW846 6010C						
MP25867-B1	7440-38-2	Arsenic	BSP	REC	103.2	%	87-113
MP25867-B1	7439-89-6	Iron	BSP	REC	101	%	87-115
MP25867-B1	7439-96-5	Manganese	BSP	REC	105.4	%	90-114
MP25867-S1*	7440-38-2	Arsenic	MS	REC	107.1	%	87-113
MP25867-S1*	7439-89-6	Iron	MS	REC	107	%	87-115
MP25867-S1*	7439-96-5	Manganese	MS	REC	110	%	90-114
MP25867-S2*	7440-38-2	Arsenic	MSD	REC	107.9	%	87-113
MP25867-S2*	7440-38-2	Arsenic	MSD	RPD	.7	%	20
MP25867-S2*	7439-89-6	Iron	MSD	REC	107	%	87-115
MP25867-S2*	7439-89-6	Iron	MSD	RPD	0	%	20
MP25867-S2*	7439-96-5	Manganese	MSD	REC	104	%	90-114
MP25867-S2*	7439-96-5	Manganese	MSD	RPD	.4	%	20

* Sample used for QC is not from job MC44524

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44524
Account: HSMAW KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1594-MB	BA23360.D	1	02/26/16	DF	n/a	n/a	GBA1594

The QC reported here applies to the following samples: **Method:** RSK-175

MC44524-1

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44524
Account: HSMAW KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1594-BSP	BA23361.D	1	02/26/16	DF	n/a	n/a	GBA1594

The QC reported here applies to the following samples: **Method:** RSK-175

MC44524-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	89.7	101	50-150
74-84-0	Ethane	166	173	104	50-150
74-85-1	Ethene	155	184	119	50-150

* = Outside of Control Limits.

Duplicate Summary

Job Number: MC44524
Account: HSMAW KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44524-1DUP	BA23363.D	1	02/26/16	DF	n/a	n/a	GBA1594
MC44524-1	BA23362.D	1	02/26/16	DF	n/a	n/a	GBA1594

The QC reported here applies to the following samples: **Method:** RSK-175

MC44524-1

CAS No.	Compound	MC44524-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	90.7		108		17	30
74-84-0	Ethane	10 U		ND		nc	30
74-85-1	Ethene	1.9		2.0	J	5	30

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.40	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	4.3	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.30	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	75.5	611	500	107.1	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	16400	27100	10000	107.0	75-125
Lead					
Lithium					
Magnesium					
Manganese	7460	8010	500	110.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	75.5	615	500	107.9	0.7	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	16400	27100	10000	107.0	0.0	20
Lead						
Lithium						
Magnesium						
Manganese	7460	7980	500	104.0	0.4	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	516	500	103.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	10100	10000	101.0	80-120
Lead				
Lithium				
Magnesium				
Manganese	527	500	105.4	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	75.5	81.4	7.8	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	16400	16900	3.1	0-10
Lead				
Lithium				
Magnesium				
Manganese	7460	7370	1.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53184	5.0	0.0	mg/l	250	259	103.6	80-120%
Nitrogen, Nitrate + Nitrite	GP20180/GN53212	0.10	0.0	mg/l	2	2.12	106.0	90-110%
Nitrogen, Nitrite	GP20157/GN53158	0.010	0.0	mg/l	0.02	0.021	105.0	80-120%
Sulfide	GN53185	2.0	0.0	mg/l	12.4	12.0	96.8	80-120%
Total Organic Carbon	GP20170/GN53193	1.0	0.0	mg/l	10	9.59	95.9	80-120%

Associated Samples:
Batch GN53184: MC44524-1
Batch GN53185: MC44524-1
Batch GP20157: MC44524-1
Batch GP20170: MC44524-1
Batch GP20180: MC44524-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	157	1.3	0-20%
Nitrogen, Nitrate + Nitrite	GP20180/GN53212	MC44616-1A	mg/l	0.13	0.13	0.0	0-20%
Nitrogen, Nitrite	GP20157/GN53158	MC44524-1	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53185	MC44589-1	mg/l	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GN53184: MC44524-1
Batch GN53185: MC44524-1
Batch GP20157: MC44524-1
Batch GP20180: MC44524-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	250	406	100.4	75-125%
Nitrogen, Nitrate + Nitrite	GP20180/GN53212	MC44616-1A	mg/l	0.13	2	2.2	103.5	90-110%
Nitrogen, Nitrite	GP20157/GN53158	MC44524-1	mg/l	0.0011 U	0.02	0.019	95.0	75-125%
Sulfide	GN53185	MC44589-1	mg/l	0.0	12.4	12.0	96.8	75-125%
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	16.4	100.0	75-125%

Associated Samples:
Batch GN53184: MC44524-1
Batch GN53185: MC44524-1
Batch GP20157: MC44524-1
Batch GP20170: MC44524-1
Batch GP20180: MC44524-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	15.8	3.7	20%

Associated Samples:
Batch GP20170: MC44524-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

Page 1 of 1

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #	Bottle Order Control #
SGS Accutest Quote #	SGS Accutest Job MC44524

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175:
Project Contact: Frank D'Agostino, E-mail: Frank D'Agostino@accutest.
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD ,VMS+8260C ,VMS+MTBE ,	LAB USE ONLY
1	G6M-03-08X		2/24/16	3:10:00 PM	KGA	AQ	2	x								X	
2	TB		2/24/16	1:30:00 PM	KGA	AQ	2	x								X	

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/7/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE - DOD
*Need 8260C Method

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Tir	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-25-16	1 FEDX	2 FX		2 [signature] 2/26/16 9:30
3		3	4		4
5		5			

Custody Seal # ☐ Intact ☐ Not intact — Preserved where applicable ☐ — On Ice ☑ — Cooler Temp. 3.0

9.1

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MC44524: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC44524 CLIENT: ALNE PROJECT: Fort Devens

DATE/TIME RECEIVED: 2/26/16 9:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6595 2492 3483

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 3.0 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 2/27/16 REVIEWER SIGNATURE/DATE: 2/27/16

NF 11/15 receipt confirmation 111015.xls

9.1

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MC44524: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5223	SW846 8260B						
VJ5223-BS	67-64-1	Acetone	BSP	REC	90	%	39-160
VJ5223-BS	71-43-2	Benzene	BSP	REC	97	%	79-120
VJ5223-BS	108-86-1	Bromobenzene	BSP	REC	97	%	80-120
VJ5223-BS	74-97-5	Bromochloromethane	BSP	REC	106	%	78-123
VJ5223-BS	75-27-4	Bromodichloromethane	BSP	REC	97	%	79-125
VJ5223-BS	75-25-2	Bromoform	BSP	REC	86	%	66-130
VJ5223-BS	78-93-3	2-Butanone (MEK)	BSP	REC	83	%	56-143
VJ5223-BS	104-51-8	n-Butylbenzene	BSP	REC	106	%	75-128
VJ5223-BS	135-98-8	sec-Butylbenzene	BSP	REC	112	%	77-126
VJ5223-BS	98-06-6	tert-Butylbenzene	BSP	REC	102	%	78-124
VJ5223-BS	75-15-0	Carbon Disulfide	BSP	REC	112	%	64-133
VJ5223-BS	56-23-5	Carbon Tetrachloride	BSP	REC	101	%	72-136
VJ5223-BS	108-90-7	Chlorobenzene	BSP	REC	97	%	82-118
VJ5223-BS	75-00-3	Chloroethane	BSP	REC	106	%	60-138
VJ5223-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VJ5223-BS	95-49-8	o-Chlorotoluene	BSP	REC	102	%	79-122
VJ5223-BS	106-43-4	p-Chlorotoluene	BSP	REC	101	%	78-122
VJ5223-BS	124-48-1	Dibromochloromethane	BSP	REC	92	%	74-126
VJ5223-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	72	%	62-128
VJ5223-BS	106-93-4	1,2-Dibromoethane	BSP	REC	94	%	77-121
VJ5223-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	113	%	32-152
VJ5223-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	99	%	80-119
VJ5223-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	103	%	80-119
VJ5223-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	79-118
VJ5223-BS	75-34-3	1,1-Dichloroethane	BSP	REC	98	%	77-125
VJ5223-BS	107-06-2	1,2-Dichloroethane	BSP	REC	88	%	73-128
VJ5223-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	103	%	71-131
VJ5223-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	95	%	78-123
VJ5223-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	106	%	75-124
VJ5223-BS	78-87-5	1,2-Dichloropropane	BSP	REC	96	%	78-122
VJ5223-BS	142-28-9	1,3-Dichloropropane	BSP	REC	89	%	80-119
VJ5223-BS	594-20-7	2,2-Dichloropropane	BSP	REC	100	%	60-139
VJ5223-BS	563-58-6	1,1-Dichloropropene	BSP	REC	99	%	79-125
VJ5223-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	92	%	75-124
VJ5223-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	103	%	73-127
VJ5223-BS	100-41-4	Ethylbenzene	BSP	REC	94	%	79-121
VJ5223-BS	87-68-3	Hexachlorobutadiene	BSP	REC	98	%	66-134
VJ5223-BS	591-78-6	2-Hexanone	BSP	REC	82	%	57-139
VJ5223-BS	98-82-8	Isopropylbenzene	BSP	REC	96	%	72-131
VJ5223-BS	99-87-6	p-Isopropyltoluene	BSP	REC	94	%	77-127
VJ5223-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141
VJ5223-BS	74-87-3	Methyl Chloride	BSP	REC	94	%	50-139

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5223-BS	74-88-4	Methyl Iodide	BSP	REC	112	%	69-131
VJ5223-BS	74-95-3	Methylene Bromide	BSP	REC	94	%	79-123
VJ5223-BS	75-09-2	Methylene Chloride	BSP	REC	82	%	74-124
VJ5223-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	86	%	67-130
VJ5223-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	94	%	71-124
VJ5223-BS	91-20-3	Naphthalene	BSP	REC	88	%	61-128
VJ5223-BS	103-65-1	n-Propylbenzene	BSP	REC	112	%	76-126
VJ5223-BS	100-42-5	Styrene	BSP	REC	101	%	78-123
VJ5223-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	102	%	78-124
VJ5223-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	83	%	71-121
VJ5223-BS	127-18-4	Tetrachloroethylene	BSP	REC	98	%	74-129
VJ5223-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
VJ5223-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	94	%	69-129
VJ5223-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	94	%	69-130
VJ5223-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	95	%	74-131
VJ5223-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	93	%	80-119
VJ5223-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VJ5223-BS	75-69-4	Trichlorofluoromethane	BSP	REC	105	%	65-141
VJ5223-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	86	%	73-122
VJ5223-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	104	%	76-124
VJ5223-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	103	%	75-124
VJ5223-BS	108-05-4	Vinyl Acetate	BSP	REC	88	%	54-146
VJ5223-BS	75-01-4	Vinyl Chloride	BSP	REC	105	%	58-137
VJ5223-BS		m,p-Xylene	BSP	REC	97	%	80-121
VJ5223-BS	95-47-6	o-Xylene	BSP	REC	102	%	78-122
VJ5223-BS	1330-20-7	Xylene (total)	BSP	REC	99	%	79-121
VJ5223-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5223-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	92	%	81-118
VJ5223-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VJ5223-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
FA31780-4MS*	67-64-1	Acetone	MS	REC	86	%	39-160
FA31780-4MS*	71-43-2	Benzene	MS	REC	91	%	79-120
FA31780-4MS*	108-86-1	Bromobenzene	MS	REC	96	%	80-120
FA31780-4MS*	74-97-5	Bromochloromethane	MS	REC	104	%	78-123
FA31780-4MS*	75-27-4	Bromodichloromethane	MS	REC	85	%	79-125
FA31780-4MS*	75-25-2	Bromoform	MS	REC	55 [a]	%	66-130
FA31780-4MS*	78-93-3	2-Butanone (MEK)	MS	REC	78	%	56-143
FA31780-4MS*	104-51-8	n-Butylbenzene	MS	REC	104	%	75-128
FA31780-4MS*	135-98-8	sec-Butylbenzene	MS	REC	109	%	77-126
FA31780-4MS*	98-06-6	tert-Butylbenzene	MS	REC	99	%	78-124
FA31780-4MS*	75-15-0	Carbon Disulfide	MS	REC	89	%	64-133
FA31780-4MS*	56-23-5	Carbon Tetrachloride	MS	REC	96	%	72-136
FA31780-4MS*	108-90-7	Chlorobenzene	MS	REC	97	%	82-118
FA31780-4MS*	75-00-3	Chloroethane	MS	REC	106	%	60-138
FA31780-4MS*	67-66-3	Chloroform	MS	REC	97	%	79-124

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MS*	95-49-8	o-Chlorotoluene	MS	REC	110	%	79-122
FA31780-4MS*	106-43-4	p-Chlorotoluene	MS	REC	97	%	78-122
FA31780-4MS*	124-48-1	Dibromochloromethane	MS	REC	68 [a]	%	74-126
FA31780-4MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	84	%	62-128
FA31780-4MS*	106-93-4	1,2-Dibromoethane	MS	REC	88	%	77-121
FA31780-4MS*	75-71-8	Dichlorodifluoromethane	MS	REC	110	%	32-152
FA31780-4MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	98	%	80-119
FA31780-4MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	101	%	80-119
FA31780-4MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	96	%	79-118
FA31780-4MS*	75-34-3	1,1-Dichloroethane	MS	REC	94	%	77-125
FA31780-4MS*	107-06-2	1,2-Dichloroethane	MS	REC	83	%	73-128
FA31780-4MS*	75-35-4	1,1-Dichloroethylene	MS	REC	100	%	71-131
FA31780-4MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	92	%	78-123
FA31780-4MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	101	%	75-124
FA31780-4MS*	78-87-5	1,2-Dichloropropane	MS	REC	92	%	78-122
FA31780-4MS*	142-28-9	1,3-Dichloropropane	MS	REC	85	%	80-119
FA31780-4MS*	594-20-7	2,2-Dichloropropane	MS	REC	95	%	60-139
FA31780-4MS*	563-58-6	1,1-Dichloropropene	MS	REC	96	%	79-125
FA31780-4MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	83	%	75-124
FA31780-4MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	92	%	73-127
FA31780-4MS*	100-41-4	Ethylbenzene	MS	REC	107	%	79-121
FA31780-4MS*	87-68-3	Hexachlorobutadiene	MS	REC	98	%	66-134
FA31780-4MS*	591-78-6	2-Hexanone	MS	REC	78	%	57-139
FA31780-4MS*	98-82-8	Isopropylbenzene	MS	REC	98	%	72-131
FA31780-4MS*	99-87-6	p-Isopropyltoluene	MS	REC	92	%	77-127
FA31780-4MS*	74-83-9	Methyl Bromide	MS	REC	97	%	53-141
FA31780-4MS*	74-87-3	Methyl Chloride	MS	REC	91	%	50-139
FA31780-4MS*	74-88-4	Methyl Iodide	MS	REC	110	%	69-131
FA31780-4MS*	74-95-3	Methylene Bromide	MS	REC	92	%	79-123
FA31780-4MS*	75-09-2	Methylene Chloride	MS	REC	75	%	74-124
FA31780-4MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	82	%	67-130
FA31780-4MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	93	%	71-124
FA31780-4MS*	91-20-3	Naphthalene	MS	REC	99	%	61-128
FA31780-4MS*	103-65-1	n-Propylbenzene	MS	REC	108	%	76-126
FA31780-4MS*	100-42-5	Styrene	MS	REC	98	%	78-123
FA31780-4MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	99	%	78-124
FA31780-4MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	80	%	71-121
FA31780-4MS*	127-18-4	Tetrachloroethylene	MS	REC	94	%	74-129
FA31780-4MS*	108-88-3	Toluene	MS	REC	93	%	80-121
FA31780-4MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	92	%	69-129
FA31780-4MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
FA31780-4MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	92	%	74-131
FA31780-4MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	92	%	80-119
FA31780-4MS*	79-01-6	Trichloroethylene	MS	REC	105	%	79-123
FA31780-4MS*	75-69-4	Trichlorofluoromethane	MS	REC	100	%	65-141

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	80	%	73-122
FA31780-4MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	92	%	76-124
FA31780-4MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	104	%	75-124
FA31780-4MS*	108-05-4	Vinyl Acetate	MS	REC	77	%	54-146
FA31780-4MS*	75-01-4	Vinyl Chloride	MS	REC	103	%	58-137
FA31780-4MS*		m,p-Xylene	MS	REC	132 [a]	%	80-121
FA31780-4MS*	95-47-6	o-Xylene	MS	REC	101	%	78-122
FA31780-4MS*	1330-20-7	Xylene (total)	MS	REC	121	%	79-121
FA31780-4MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
FA31780-4MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	93	%	81-118
FA31780-4MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FA31780-4MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
FA31780-4MSD*	67-64-1	Acetone	MSD	REC	100	%	39-160
FA31780-4MSD*	67-64-1	Acetone	MSD	RPD	15	%	20
FA31780-4MSD*	71-43-2	Benzene	MSD	REC	95	%	79-120
FA31780-4MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FA31780-4MSD*	108-86-1	Bromobenzene	MSD	REC	105	%	80-120
FA31780-4MSD*	108-86-1	Bromobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	74-97-5	Bromochloromethane	MSD	REC	113	%	78-123
FA31780-4MSD*	74-97-5	Bromochloromethane	MSD	RPD	8	%	20
FA31780-4MSD*	75-27-4	Bromodichloromethane	MSD	REC	92	%	79-125
FA31780-4MSD*	75-27-4	Bromodichloromethane	MSD	RPD	8	%	20
FA31780-4MSD*	75-25-2	Bromoform	MSD	REC	67	%	66-130
FA31780-4MSD*	75-25-2	Bromoform	MSD	RPD	20	%	20
FA31780-4MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	90	%	56-143
FA31780-4MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	15	%	20
FA31780-4MSD*	104-51-8	n-Butylbenzene	MSD	REC	110	%	75-128
FA31780-4MSD*	104-51-8	n-Butylbenzene	MSD	RPD	5	%	20
FA31780-4MSD*	135-98-8	sec-Butylbenzene	MSD	REC	116	%	77-126
FA31780-4MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	6	%	20
FA31780-4MSD*	98-06-6	tert-Butylbenzene	MSD	REC	106	%	78-124
FA31780-4MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	7	%	20
FA31780-4MSD*	75-15-0	Carbon Disulfide	MSD	REC	86	%	64-133
FA31780-4MSD*	75-15-0	Carbon Disulfide	MSD	RPD	4	%	20
FA31780-4MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	102	%	72-136
FA31780-4MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA31780-4MSD*	108-90-7	Chlorobenzene	MSD	REC	104	%	82-118
FA31780-4MSD*	108-90-7	Chlorobenzene	MSD	RPD	7	%	20
FA31780-4MSD*	75-00-3	Chloroethane	MSD	REC	114	%	60-138
FA31780-4MSD*	75-00-3	Chloroethane	MSD	RPD	7	%	20
FA31780-4MSD*	67-66-3	Chloroform	MSD	REC	105	%	79-124
FA31780-4MSD*	67-66-3	Chloroform	MSD	RPD	8	%	20
FA31780-4MSD*	95-49-8	o-Chlorotoluene	MSD	REC	118	%	79-122
FA31780-4MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	7	%	20
FA31780-4MSD*	106-43-4	p-Chlorotoluene	MSD	REC	105	%	78-122

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	8	%	20
FA31780-4MSD*	124-48-1	Dibromochloromethane	MSD	REC	77	%	74-126
FA31780-4MSD*	124-48-1	Dibromochloromethane	MSD	RPD	13	%	20
FA31780-4MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	91	%	62-128
FA31780-4MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	9	%	20
FA31780-4MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	100	%	77-121
FA31780-4MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	12	%	20
FA31780-4MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	115	%	32-152
FA31780-4MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	4	%	20
FA31780-4MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	106	%	80-119
FA31780-4MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	110	%	80-119
FA31780-4MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	104	%	79-118
FA31780-4MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	103	%	77-125
FA31780-4MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	9	%	20
FA31780-4MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	93	%	73-128
FA31780-4MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	11	%	20
FA31780-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	108	%	71-131
FA31780-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	8	%	20
FA31780-4MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	100	%	78-123
FA31780-4MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	9	%	20
FA31780-4MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	108	%	75-124
FA31780-4MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	7	%	20
FA31780-4MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	102	%	78-122
FA31780-4MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	10	%	20
FA31780-4MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	96	%	80-119
FA31780-4MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	12	%	20
FA31780-4MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	103	%	60-139
FA31780-4MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	8	%	20
FA31780-4MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	103	%	79-125
FA31780-4MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	7	%	20
FA31780-4MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	85	%	75-124
FA31780-4MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
FA31780-4MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	97	%	73-127
FA31780-4MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
FA31780-4MSD*	100-41-4	Ethylbenzene	MSD	REC	112	%	79-121
FA31780-4MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA31780-4MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	104	%	66-134
FA31780-4MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	7	%	20
FA31780-4MSD*	591-78-6	2-Hexanone	MSD	REC	91	%	57-139
FA31780-4MSD*	591-78-6	2-Hexanone	MSD	RPD	16	%	20
FA31780-4MSD*	98-82-8	Isopropylbenzene	MSD	REC	105	%	72-131
FA31780-4MSD*	98-82-8	Isopropylbenzene	MSD	RPD	6	%	20

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	98	%	77-127
FA31780-4MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	6	%	20
FA31780-4MSD*	74-83-9	Methyl Bromide	MSD	REC	103	%	53-141
FA31780-4MSD*	74-83-9	Methyl Bromide	MSD	RPD	6	%	20
FA31780-4MSD*	74-87-3	Methyl Chloride	MSD	REC	99	%	50-139
FA31780-4MSD*	74-87-3	Methyl Chloride	MSD	RPD	8	%	20
FA31780-4MSD*	74-88-4	Methyl Iodide	MSD	REC	118	%	69-131
FA31780-4MSD*	74-88-4	Methyl Iodide	MSD	RPD	7	%	20
FA31780-4MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
FA31780-4MSD*	74-95-3	Methylene Bromide	MSD	RPD	12	%	20
FA31780-4MSD*	75-09-2	Methylene Chloride	MSD	REC	82	%	74-124
FA31780-4MSD*	75-09-2	Methylene Chloride	MSD	RPD	8	%	20
FA31780-4MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	94	%	67-130
FA31780-4MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	15	%	20
FA31780-4MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	105	%	71-124
FA31780-4MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	10	%	20
FA31780-4MSD*	91-20-3	Naphthalene	MSD	REC	114	%	61-128
FA31780-4MSD*	91-20-3	Naphthalene	MSD	RPD	6	%	20
FA31780-4MSD*	103-65-1	n-Propylbenzene	MSD	REC	111	%	76-126
FA31780-4MSD*	103-65-1	n-Propylbenzene	MSD	RPD	2	%	20
FA31780-4MSD*	100-42-5	Styrene	MSD	REC	108	%	78-123
FA31780-4MSD*	100-42-5	Styrene	MSD	RPD	10	%	20
FA31780-4MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	104	%	78-124
FA31780-4MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	6	%	20
FA31780-4MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	90	%	71-121
FA31780-4MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	12	%	20
FA31780-4MSD*	127-18-4	Tetrachloroethylene	MSD	REC	99	%	74-129
FA31780-4MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	5	%	20
FA31780-4MSD*	108-88-3	Toluene	MSD	REC	100	%	80-121
FA31780-4MSD*	108-88-3	Toluene	MSD	RPD	4	%	20
FA31780-4MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	100	%	69-129
FA31780-4MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	102	%	69-130
FA31780-4MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA31780-4MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	100	%	74-131
FA31780-4MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	8	%	20
FA31780-4MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	100	%	80-119
FA31780-4MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	8	%	20
FA31780-4MSD*	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA31780-4MSD*	79-01-6	Trichloroethylene	MSD	RPD	10	%	20
FA31780-4MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	107	%	65-141
FA31780-4MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	6	%	20
FA31780-4MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	90	%	73-122
FA31780-4MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	13	%	20
FA31780-4MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	91	%	76-124

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FA31780-4MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	110	%	75-124
FA31780-4MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	3	%	20
FA31780-4MSD*	108-05-4	Vinyl Acetate	MSD	REC	88	%	54-146
FA31780-4MSD*	108-05-4	Vinyl Acetate	MSD	RPD	14	%	20
FA31780-4MSD*	75-01-4	Vinyl Chloride	MSD	REC	108	%	58-137
FA31780-4MSD*	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA31780-4MSD*		m,p-Xylene	MSD	REC	134 [a]	%	80-121
FA31780-4MSD*		m,p-Xylene	MSD	RPD	1	%	20
FA31780-4MSD*	95-47-6	o-Xylene	MSD	REC	110	%	78-122
FA31780-4MSD*	95-47-6	o-Xylene	MSD	RPD	5	%	20
FA31780-4MSD*	1330-20-7	Xylene (total)	MSD	REC	127 [a]	%	79-121
FA31780-4MSD*	1330-20-7	Xylene (total)	MSD	RPD	2	%	20
FA31780-4MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FA31780-4MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	94	%	81-118
FA31780-4MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
FA31780-4MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5223-MB	1868-53-7	Dibromofluoromethane	MB	SURR	100	%	80-119
VJ5223-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	91	%	81-118
VJ5223-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5223-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
MC44524-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44524-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	89	%	81-118
MC44524-1	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
MC44524-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
MC44524-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44524-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44524-2	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
MC44524-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114

(a) Outside DOD QSM control limits.

* Sample used for QC is not from job MC44524

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-MB	J0974766.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-MB	J0974766.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-MB	J0974766.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Blank Spike Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-BS	J0974765.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	112	90	50-147
71-43-2	Benzene	25	24.3	97	81-122
108-86-1	Bromobenzene	25	24.3	97	80-121
74-97-5	Bromochloromethane	25	26.6	106	76-123
75-27-4	Bromodichloromethane	25	24.3	97	79-123
75-25-2	Bromoform	25	21.6	86	66-123
78-93-3	2-Butanone (MEK)	125	104	83	56-143
104-51-8	n-Butylbenzene	25	26.5	106	79-126
135-98-8	sec-Butylbenzene	25	28.0	112	83-133
98-06-6	tert-Butylbenzene	25	25.5	102	80-133
75-15-0	Carbon Disulfide	25	28.1	112	66-148
56-23-5	Carbon Tetrachloride	25	25.2	101	76-136
108-90-7	Chlorobenzene	25	24.3	97	82-124
75-00-3	Chloroethane	25	26.5	106	62-144
67-66-3	Chloroform	25	24.9	100	80-124
95-49-8	o-Chlorotoluene	25	25.5	102	81-127
106-43-4	p-Chlorotoluene	25	25.3	101	83-130
124-48-1	Dibromochloromethane	25	22.9	92	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	18.1	72	64-123
106-93-4	1,2-Dibromoethane	25	23.6	94	75-120
75-71-8	Dichlorodifluoromethane	25	28.3	113	42-167
95-50-1	1,2-Dichlorobenzene	25	24.8	99	82-124
541-73-1	1,3-Dichlorobenzene	25	25.8	103	84-125
106-46-7	1,4-Dichlorobenzene	25	24.1	96	78-120
75-34-3	1,1-Dichloroethane	25	24.5	98	81-122
107-06-2	1,2-Dichloroethane	25	22.0	88	75-125
75-35-4	1,1-Dichloroethylene	25	25.7	103	78-137
156-59-2	cis-1,2-Dichloroethylene	25	23.8	95	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.4	106	76-127
78-87-5	1,2-Dichloropropane	25	23.9	96	76-124
142-28-9	1,3-Dichloropropane	25	22.3	89	80-118
594-20-7	2,2-Dichloropropane	25	25.0	100	74-139
563-58-6	1,1-Dichloropropene	25	24.7	99	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.9	92	75-118
10061-02-6	trans-1,3-Dichloropropene	25	25.7	103	80-120
100-41-4	Ethylbenzene	25	23.5	94	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-BS	J0974765.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	24.4	98	75-142
591-78-6	2-Hexanone	125	102	82	61-129
98-82-8	Isopropylbenzene	25	24.0	96	83-132
99-87-6	p-Isopropyltoluene	25	23.6	94	79-130
74-83-9	Methyl Bromide	25	23.7	95	59-143
74-87-3	Methyl Chloride	25	23.4	94	50-159
74-88-4	Methyl Iodide	25	28.0	112	73-123
74-95-3	Methylene Bromide	25	23.4	94	78-119
75-09-2	Methylene Chloride	25	20.5	82	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	107	86	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	72-117
91-20-3	Naphthalene	25	22.0	88	63-132
103-65-1	n-Propylbenzene	25	28.0	112	82-133
100-42-5	Styrene	25	25.3	101	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.6	102	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	20.8	83	72-120
127-18-4	Tetrachloroethylene	25	24.4	98	76-135
108-88-3	Toluene	25	24.9	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	23.6	94	68-131
120-82-1	1,2,4-Trichlorobenzene	25	23.6	94	73-129
71-55-6	1,1,1-Trichloroethane	25	23.7	95	75-130
79-00-5	1,1,2-Trichloroethane	25	23.2	93	76-119
79-01-6	Trichloroethylene	25	26.0	104	81-126
75-69-4	Trichlorofluoromethane	25	26.2	105	71-156
96-18-4	1,2,3-Trichloropropane	25	21.5	86	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.8	103	79-120
108-05-4	Vinyl Acetate	125	110	88	43-154
75-01-4	Vinyl Chloride	25	26.3	105	69-159
	m,p-Xylene	50	48.6	97	79-126
95-47-6	o-Xylene	25	25.6	102	80-127
1330-20-7	Xylene (total)	75	74.2	99	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-BS	J0974765.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31780-4MS	J0974777.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4MSD	J0974778.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4	J0974774.D	10	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	FA31780-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	1080	86	1250	1250	100	15	50-147/21
71-43-2	Benzene	792		250	1020	91	250	1030	95	1	81-122/14
108-86-1	Bromobenzene	ND		250	241	96	250	262	105	8	80-121/14
74-97-5	Bromochloromethane	ND		250	260	104	250	283	113	8	76-123/14
75-27-4	Bromodichloromethane	ND		250	213	85	250	231	92	8	79-123/19
75-25-2	Bromoform	ND		250	137	55* [a]	250	168	67	20	66-123/21
78-93-3	2-Butanone (MEK)	ND		1250	972	78	1250	1130	90	15	56-143/18
104-51-8	n-Butylbenzene	10		250	270	104	250	284	110	5	79-126/16
135-98-8	sec-Butylbenzene	8.4	J	250	282	109	250	299	116	6	83-133/16
98-06-6	tert-Butylbenzene	ND		250	247	99	250	265	106	7	80-133/16
75-15-0	Carbon Disulfide	ND		250	222	89	250	214	86	4	66-148/23
56-23-5	Carbon Tetrachloride	ND		250	240	96	250	255	102	6	76-136/23
108-90-7	Chlorobenzene	ND		250	243	97	250	261	104	7	82-124/14
75-00-3	Chloroethane	ND		250	266	106	250	284	114	7	62-144/20
67-66-3	Chloroform	3.3	J	250	246	97	250	267	105	8	80-124/15
95-49-8	o-Chlorotoluene	ND		250	275	110	250	295	118	7	81-127/15
106-43-4	p-Chlorotoluene	ND		250	243	97	250	263	105	8	83-130/15
124-48-1	Dibromochloromethane	ND		250	169	68* [a]	250	192	77*	13	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	209	84	250	228	91	9	64-123/18
106-93-4	1,2-Dibromoethane	ND		250	221	88	250	249	100	12	75-120/13
75-71-8	Dichlorodifluoromethane	ND		250	275	110	250	287	115	4	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		250	244	98	250	265	106	8	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		250	253	101	250	274	110	8	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		250	241	96	250	261	104	8	78-120/15
75-34-3	1,1-Dichloroethane	ND		250	236	94	250	257	103	9	81-122/15
107-06-2	1,2-Dichloroethane	ND		250	207	83	250	232	93	11	75-125/14
75-35-4	1,1-Dichloroethylene	ND		250	249	100	250	270	108	8	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		250	229	92	250	250	100	9	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		250	253	101	250	270	108	7	76-127/17
78-87-5	1,2-Dichloropropane	ND		250	231	92	250	255	102	10	76-124/14
142-28-9	1,3-Dichloropropane	ND		250	212	85	250	239	96	12	80-118/13
594-20-7	2,2-Dichloropropane	ND		250	238	95	250	258	103	8	74-139/17
563-58-6	1,1-Dichloropropene	ND		250	240	96	250	257	103	7	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		250	207	83	250	213	85	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		250	230	92	250	242	97	5	80-120/22
100-41-4	Ethylbenzene	261		250	529	107	250	542	112	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31780-4MS	J0974777.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4MSD	J0974778.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4	J0974774.D	10	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	FA31780-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	ND		250	244	98	250	261	104	7	75-142/19
591-78-6	2-Hexanone	ND		1250	974	78	1250	1140	91	16	61-129/18
98-82-8	Isopropylbenzene	40.8		250	285	98	250	304	105	6	83-132/15
99-87-6	p-Isopropyltoluene	4.2	J	250	234	92	250	249	98	6	79-130/16
74-83-9	Methyl Bromide	ND		250	242	97	250	258	103	6	59-143/19
74-87-3	Methyl Chloride	ND		250	228	91	250	248	99	8	50-159/19
74-88-4	Methyl Iodide	ND		250	275	110	250	294	118	7	73-123/16
74-95-3	Methylene Bromide	ND		250	229	92	250	258	103	12	78-119/14
75-09-2	Methylene Chloride	24.6	J	250	212	75	250	229	82	8	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1250	1020	82	1250	1180	94	15	66-122/16
1634-04-4	Methyl Tert Butyl Ether	40.7		250	272	93	250	302	105	10	72-117/14
91-20-3	Naphthalene	400		250	648	99	250	686	114	6	63-132/25
103-65-1	n-Propylbenzene	136		250	407	108	250	414	111	2	82-133/15
100-42-5	Styrene	ND		250	244	98	250	270	108	10	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	247	99	250	261	104	6	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	201	80	250	226	90	12	72-120/14
127-18-4	Tetrachloroethylene	ND		250	236	94	250	248	99	5	76-135/16
108-88-3	Toluene	165		250	398	93	250	415	100	4	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		250	230	92	250	250	100	8	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		250	239	96	250	254	102	6	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		250	231	92	250	251	100	8	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		250	231	92	250	250	100	8	76-119/14
79-01-6	Trichloroethylene	ND		250	263	105	250	290	116	10	81-126/15
75-69-4	Trichlorofluoromethane	ND		250	251	100	250	267	107	6	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		250	199	80	250	226	90	13	77-120/16
95-63-6	1,2,4-Trimethylbenzene	654		250	883	92	250	882	91	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	214		250	475	104	250	488	110	3	79-120/19
108-05-4	Vinyl Acetate	ND		1250	960	77	1250	1100	88	14	43-154/14
75-01-4	Vinyl Chloride	ND		250	258	103	250	269	108	4	69-159/18
	m,p-Xylene	928		500	1590	132* [a]	500	1600	134* [a]	1	79-126/15
95-47-6	o-Xylene	241		250	494	101	250	517	110	5	80-127/14
1330-20-7	Xylene (total)	1170		750	2080	121	750	2120	127* [a]	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31780-4MS	J0974777.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4MSD	J0974778.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4	J0974774.D	10	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Surrogate Recoveries	MS	MSD	FA31780-4	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	92%	79-125%
2037-26-5	Toluene-D8	98%	98%	100%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	93%	83-118%

(a) Outside DOD QSM control limits.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44524-1	J0974767.D	99	89	100	98
MC44524-2	J0974768.D	99	91	101	99
FA31780-4MS	J0974777.D	100	93	98	94
FA31780-4MSD	J0974778.D	101	94	98	95
VJ5223-BS	J0974765.D	101	92	100	97
VJ5223-MB	J0974766.D	100	91	101	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: 6595-2492 3494 | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job: MC44524

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175;
Project Contact: Frank D'Agostino, E-mail: Frank D'Agostino@accutest.
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300.	LAB USE ONLY
1	G6M-03-08X		2/24/16	3:10:00 PM	KGA	AQ	1					x				X	MA

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/7/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

SHIP to ALNJ - DOD
SO4 by 300

INITIAL ASESSMENT BF JA
LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		2-25-16	FEDEX			
2	FEDEX	2/26/16 9:25				
3						
4						
5						

Custody Seal #: [ ] Intact [ ] Not intact | Preserved where applicable: [ ] | On Ice: [ ] | Cooler Temp. 1.4°C

FP

11.1 11

MC44524: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44524 **Client:** **Project:**

Date / Time Received: 2/26/2016 9:25:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.4);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44524

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP95969/GN41724	2.0	0.0	mg/l	80	81.9	102.4	90-110%
Fluoride	GP95969/GN41724	0.20	0.0	mg/l	2	2.07	103.5	90-110%
Sulfate	GP95969/GN41724	10	0.0	mg/l	80	82.9	103.6	90-110%

Associated Samples:
Batch GP95969: MC44524-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP95969/GN41724	JC14499-1	mg/l	70.8	70.5	0.4	0-20%
Fluoride	GP95969/GN41724	JC14499-1	mg/l	0.65	0.65	0.0	0-20%
Sulfate	GP95969/GN41724	JC14499-1	mg/l	88.8	88.4	0.5	0-20%

Associated Samples:
Batch GP95969: MC44524-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP95969/GN41724	JC14499-1	mg/l	70.8	80	153	102.8	80-120%
Fluoride	GP95969/GN41724	JC14499-1	mg/l	0.65	2	2.8	107.5	80-120%
Sulfate	GP95969/GN41724	JC14499-1	mg/l	88.8	80	171	102.8	80-120%

Associated Samples:
Batch GP95969: MC44524-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44478

Sampling Date: 02/22/16



Report to:

H&S Environmental
160 East Main Street
Westborough, MA 01581
lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: **89**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

H&S Environmental

Job No: MC44478

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44478-1	02/22/16	09:30	KGA	02/22/16	AQ	Ground Water	G6M-03-01X
MC44478-1F	02/22/16	09:30	KGA	02/22/16	AQ	Groundwater Filtered	G6M-03-01X
MC44478-2	02/22/16	12:30	KGA	02/22/16	AQ	Ground Water	G6M-13-02X
MC44478-2F	02/22/16	12:30	KGA	02/22/16	AQ	Groundwater Filtered	G6M-13-02X
MC44478-3	02/22/16	14:05	KGA	02/22/16	AQ	Ground Water	G6M-04-05X
MC44478-3F	02/22/16	14:05	KGA	02/22/16	AQ	Groundwater Filtered	G6M-04-05X
MC44478-4	02/22/16	07:45	KGA	02/22/16	AQ	Trip Blank Water	TB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: H&S Environmental **Job No** MC44478

Site: Fort Devens, AOC50, Devens, MA **Report Date** 3/4/2016 2:36:06 PM

3 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 02/22/2016 and were received at SGS Accutest New England on 02/22/2016 properly preserved, at 1.4 Deg. C and intact. These Samples received a job number of MC44478. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5218

- Analysis performed at Accutest Laboratories, Orlando FL.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1593

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44471-8MS, MC44471-8MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25867

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1FMS, MC44440-1FMSD, MC44440-1FSDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95850

- Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20153

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1DUP, MC44440-1MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38059

- MC44478-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38062

- MC44478-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38063

- MC44478-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20144

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44478-2DUP, MC44478-2MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53184

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP, MC44524-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ **Batch ID:** GN53141

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1MS, MC44440-2DUP were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ **Batch ID:** GP20170

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44478-1MS, MC44478-1MSD were used as the QC samples for Total Organic Carbon.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC44478).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44478
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	3/3/2016 1:33:04 PM

On 02/23/2016, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44478 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95850

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14479-1DUP, JC14479-1MS were used as the QC samples for Sulfate.
- Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job No:** MC44478

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 3/2/2016 3:15:40 PM

3 Samples and 1 Trip Blank were collected on 02/22/2016 and were received at Accutest SE on 02/23/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of MC44478. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5218

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44458-3MS, MC44458-3MSD were used as the QC samples indicated.

MC44478-1 for Chloroethane: Associated ICV outside control limits.

MC44478-1 for Methyl Bromide: Associated ICV outside control limits.

MC44478-1 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44478-2 for Chloroethane: Associated ICV outside control limits.

MC44478-2 for Methyl Bromide: Associated ICV outside control limits.

MC44478-2 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44478-3 for Chloroethane: Associated ICV outside control limits.

MC44478-3 for Methyl Bromide: Associated ICV outside control limits.

MC44478-3 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44478-4 for Chloroethane: Associated ICV outside control limits.

MC44478-4 for Methyl Bromide: Associated ICV outside control limits.

MC44478-4 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

Matrix: AQ **Batch ID:** VJ5220

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44452-12MS, MC44452-12MSD were used as the QC samples indicated.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Lovelie Metzgar, QA Officer (signature on file)

Date: March 2, 2016

Summary of Hits

Job Number: MC44478
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44478-1	**G6M-03-01X**					
1,1-Dichloroethylene [a]		1.1	1.0	0.50	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		86.7	2.0	1.0	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		1.9	1.0	0.50	ug/l	SW846 8260B
Toluene [a]		1.4	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		80.5	1.0	0.50	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		0.53 J	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		50.6	1.0	0.50	ug/l	SW846 8260B
m,p-Xylene [a]		1.2 J	2.0	1.0	ug/l	SW846 8260B
Xylene (total) [a]		1.7 J	3.0	1.0	ug/l	SW846 8260B
Methane		16300	200	100	ug/l	RSK-175
Ethene		95.5	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		144	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.077 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.077 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		3.4 J	10	1.5	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		6.4	1.0	0.81	mg/l	SW846 9060
MC44478-1F	**G6M-03-01X**					
Arsenic		23.5	4.0	2.0	ug/l	SW846 6010C
Iron		20000	100	50	ug/l	SW846 6010C
Manganese		6330	75	38	ug/l	SW846 6010C
MC44478-2	**G6M-13-02X**					
cis-1,2-Dichloroethylene [a]		21.1	1.0	0.50	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		0.54 J	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		85.8	2.0	1.0	ug/l	SW846 8260B
Trichloroethylene [a]		24.6	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		0.65 J	1.0	0.50	ug/l	SW846 8260B
Methane		3560	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		56.4	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.28	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.28	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		15.9	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.81 J	1.0	0.81	mg/l	SW846 9060
MC44478-2F	**G6M-13-02X**					
Iron		83.8 J	100	50	ug/l	SW846 6010C
Manganese		14.0 J	15	7.5	ug/l	SW846 6010C

Summary of Hits

Job Number: MC44478
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44478-3	**G6M-04-05X**					
Methane		305	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		34.7	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.11	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		26.8	10	0.50	mg/l	EPA 300/SW846 9056A
MC44478-3F	**G6M-04-05X**					
Manganese		21.9	15	7.5	ug/l	SW846 6010C
MC44478-4	**TB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974634.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2 [a]	J0974684.D	2	02/29/16	AFL	n/a	n/a	F:VJ5220

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	86.7 [d]	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-01X
Lab Sample ID: MC44478-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	80.5	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.53	1.0	0.50	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	50.6	1.0	0.50	ug/l	
	m,p-Xylene	1.2	2.0	1.0	ug/l	J
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.7	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%	90%	79-125%
2037-26-5	Toluene-D8	103%	102%	85-112%
460-00-4	4-Bromofluorobenzene	101%	98%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.
(d) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23352.D	1	02/23/16	DF	n/a	n/a	GBA1593
Run #2	BA23353.D	1	02/23/16	DF	n/a	n/a	GBA1593

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	16300 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	95.5	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-01X
Lab Sample ID: MC44478-1
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	144	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.077 J	0.11	0.057	mg/l	1	02/25/16 13:38	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.077 J	0.10	0.054	mg/l	1	02/25/16 13:38	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/23/16 17:09	EL	SM 21 4500 NO2 B
Sulfate [b]	3.4 J	10	1.5	mg/l	3	03/02/16 17:12	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	6.4	1.0	0.81	mg/l	1	03/02/16 22:26	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1F	**Date Sampled:**	02/22/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/22/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	23.5	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	20000	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	6330	75	38	ug/l	5	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-13-02X		
Lab Sample ID:	MC44478-2	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974635.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2 [a]	J0974685.D	2	02/29/16	AFL	n/a	n/a	F:VJ5220

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	21.1	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.54	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-02X
Lab Sample ID: MC44478-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	85.8 [d]	2.0	1.0	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	24.6	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.65	1.0	0.50	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	83-118%

U = Not detected LOD = Limit of Detection
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-02X		
Lab Sample ID:	MC44478-2	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	90%	79-125%
2037-26-5	Toluene-D8	103%	100%	85-112%
460-00-4	4-Bromofluorobenzene	103%	99%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.
(d) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-02X		
Lab Sample ID:	MC44478-2	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23354.D	1	02/23/16	DF	n/a	n/a	GBA1593
Run #2	BA23355.D	1	02/23/16	DF	n/a	n/a	GBA1593

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	3560 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-02X
Lab Sample ID: MC44478-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	56.4	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.28	0.11	0.057	mg/l	1	02/25/16 13:39	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.28	0.10	0.054	mg/l	1	02/25/16 13:39	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/23/16 17:09	EL	SM 21 4500 NO2 B
Sulfate [b]	15.9	10	0.50	mg/l	1	03/02/16 17:37	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 J	1.0	0.81	mg/l	1	03/02/16 22:42	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-13-02X
Lab Sample ID: MC44478-2F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	83.8 J	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	14.0 J	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974636.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-05X
Lab Sample ID: MC44478-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23356.D	1	02/23/16	DF	n/a	n/a	GBA1593
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	305	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-05X
Lab Sample ID: MC44478-3
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	34.7	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.11	0.11	0.057	mg/l	1	02/25/16 13:41	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/25/16 13:41	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/23/16 17:09	EL	SM 21 4500 NO2 B
Sulfate [b]	26.8	10	0.50	mg/l	1	03/02/16 18:03	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	03/02/16 23:00	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3F	**Date Sampled:**	02/22/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/22/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	21.9	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44478-4	**Date Sampled:**	02/22/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974637.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB
Lab Sample ID: MC44478-4
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44478-4	**Date Sampled:**	02/22/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #: MC44478

Client Information

Name: H&S Environmental
Address: 160 East Main Street, Suite 2F
City: Westborough State: MA Zip: 01581
Send Report to: Laurie Ekes (lekes@hsenv.com)
Phone #: (508)367-7190

Facility Information

Project Name: Devens
Location: AOC50 February 2016
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: VOC	NaOH	HNO3	H2SO4	None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P HNO3 (pH<2)	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)
-1F MM-03-01X	2/12/16	930	VGA	WG	11 13	78	1	1	1	1	X	X	X	X	X	X	X
-2F MM-13-02X	2/12/16	1230	VGA	WG	11 13	78	1	1	1	1	X	X	X	X	X	X	X
-3F MM-04-05X	2/12/16	1405	VGA	WG	11 13	78	1	1	1	1	X	X	X	X	X	X	X
~~MM-04-05X~~			~~VGA~~	~~WG~~	~~13~~	~~9~~	~~1~~	~~1~~	~~1~~	~~1~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~
-4 TB	2/12/16	745	VGA	DI	2	2					X						

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

INITIAL ASESSMENT LA 5E, 11B 3K4

LABEL VERIFICATION WT/apr

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	2/12/16 1545	1 2/12/16 1545	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved	On Ice:
5		5		☐	☑ 1.4°C

MC44478: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC44478 **Client:** H&S **Project:** DEVENS

Date / Time Received: 2/22/2016 3:45:00 PM **Delivery Method:** CLIENT **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (1.4/1.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25867	SW846 6010C						
MP25867-B1	7440-38-2	Arsenic	BSP	REC	103.2	%	87-113
MP25867-B1	7439-89-6	Iron	BSP	REC	101	%	87-115
MP25867-B1	7439-96-5	Manganese	BSP	REC	105.4	%	90-114
MP25867-S1*	7440-38-2	Arsenic	MS	REC	107.1	%	87-113
MP25867-S1*	7439-89-6	Iron	MS	REC	107	%	87-115
MP25867-S1*	7439-96-5	Manganese	MS	REC	110	%	90-114
MP25867-S2*	7440-38-2	Arsenic	MSD	REC	107.9	%	87-113
MP25867-S2*	7440-38-2	Arsenic	MSD	RPD	.7	%	20
MP25867-S2*	7439-89-6	Iron	MSD	REC	107	%	87-115
MP25867-S2*	7439-89-6	Iron	MSD	RPD	0	%	20
MP25867-S2*	7439-96-5	Manganese	MSD	REC	104	%	90-114
MP25867-S2*	7439-96-5	Manganese	MSD	RPD	.4	%	20

* Sample used for QC is not from job MC44478

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44478
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1593-MB	BA23336.D	1	02/23/16	DF	n/a	n/a	GBA1593

The QC reported here applies to the following samples: **Method:** RSK-175

MC44478-1, MC44478-2, MC44478-3

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44478
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1593-BSP	BA23337.D	1	02/23/16	DF	n/a	n/a	GBA1593

The QC reported here applies to the following samples: **Method:** RSK-175

MC44478-1, MC44478-2, MC44478-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	83.2	94	50-150
74-84-0	Ethane	166	165	99	50-150
74-85-1	Ethene	155	176	114	50-150

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44471-8MS	BA23339.D	1	02/23/16	DF	n/a	n/a	GBA1593
MC44471-8MSD	BA23340.D	1	02/23/16	DF	n/a	n/a	GBA1593
MC44471-8	BA23338.D	1	02/23/16	DF	n/a	n/a	GBA1593

The QC reported here applies to the following samples: **Method:** RSK-175

MC44478-1, MC44478-2, MC44478-3

CAS No.	Compound	MC44471-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	10 U		88.7	88.0	99	88.7	84.6	95	4	50-150/30
74-84-0	Ethane	10 U		166	163	98	166	167	101	2	50-150/30
74-85-1	Ethene	10 U		155	173	112	155	176	114	2	50-150/30

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.40	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	4.3	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.30	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	75.5	611	500	107.1	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	16400	27100	10000	107.0	75-125
Lead					
Lithium					
Magnesium					
Manganese	7460	8010	500	110.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	75.5	615	500	107.9	0.7	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	16400	27100	10000	107.0	0.0	20
Lead						
Lithium						
Magnesium						
Manganese	7460	7980	500	104.0	0.4	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	516	500	103.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	10100	10000	101.0	80-120
Lead				
Lithium				
Magnesium				
Manganese	527	500	105.4	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	75.5	81.4	7.8	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	16400	16900	3.1	0-10
Lead				
Lithium				
Magnesium				
Manganese	7460	7370	1.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53184	5.0	0.0	mg/l	250	259	103.6	80-120%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	0.10	0.048	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrite	GP20144/GN53130	0.010	0.0	mg/l	0.02	0.020	100.0	80-120%
Sulfide	GN53141	2.0	0.0	mg/l	12.2	12.2	100.0	80-120%
Total Organic Carbon	GP20170/GN53193	1.0	0.0	mg/l	10	9.59	95.9	80-120%

Associated Samples:
Batch GN53141: MC44478-1, MC44478-2, MC44478-3
Batch GN53184: MC44478-1, MC44478-2, MC44478-3
Batch GP20144: MC44478-1, MC44478-2, MC44478-3
Batch GP20153: MC44478-1, MC44478-2, MC44478-3
Batch GP20170: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	157	1.3	0-20%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	0.076	13.5	0-20%
Nitrogen, Nitrite	GP20144/GN53130	MC44478-2	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53141	MC44440-2	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53141: MC44478-1, MC44478-2, MC44478-3
Batch GN53184: MC44478-1, MC44478-2, MC44478-3
Batch GP20144: MC44478-1, MC44478-2, MC44478-3
Batch GP20153: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	250	406	100.4	75-125%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	2	2.0	95.7	90-110%
Nitrogen, Nitrite	GP20144/GN53130	MC44478-2	mg/l	0.0011 U	0.02	0.020	100.0	75-125%
Sulfide	GN53141	MC44440-1	mg/l	0.34 U	12.2	11.8	96.7	75-125%
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	16.4	100.0	75-125%

Associated Samples:
Batch GN53141: MC44478-1, MC44478-2, MC44478-3
Batch GN53184: MC44478-1, MC44478-2, MC44478-3
Batch GP20144: MC44478-1, MC44478-2, MC44478-3
Batch GP20153: MC44478-1, MC44478-2, MC44478-3
Batch GP20170: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	15.8	3.7	20%

Associated Samples:
Batch GP20170: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44478

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD_VMS+8260C_VMS+MTBE_
1	G6M-03-01X		2/22/16	9:30:00 AM	KGA	AQ	2	x								X
2	G6M-13-02X		2/22/16	12:30:00 PM	KGA	AQ	2	x								X
3	G6M-04-05X		2/22/16	2:05:00 PM	KGA	AQ	2	x								X
4	TB		2/22/16	7:45:00 AM	KGA	AQ	2	x								X

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

LAB USE ONLY

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/3/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE -- DOD
*Need 8260C Method
**See attached note in regards to vials submitted.

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		2/24/16	Fedex	FX	2-23-16	J. Coppel (ALSE) 13:20
2						
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp. 3.4

9.1
9

MC44478: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC 44478 CLIENT: ALNE PROJECT: Fort Devens

DATE/TIME RECEIVED: 2-23-16 13:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:_____

AIRBILL NUMBERS: 6595 2492 3277

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:_____

TECHNICIAN SIGNATURE/DATE C 2-23-16 REVIEWER SIGNATURE/DATE 2/23/16

NF 11/15 receipt confirmation 111015.xls

9.1

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MC44478: Chain of Custody
Page 2 of 3



ORIGIN ID:BBFA (508) 481-6200
SAMPLE MANAGEMENT
SGS ACCUTEST LABORATORIES
50 D'ANGELO DR.
495 TECH CENTER W., BUILDING 1
MARLBOROUGH, MA 01752
UNITED STATES US

SHIP DATE: 22FEB16
ACTWGT: 8.0 LB MAN
CAD: 0990801/CAFE2915

BILL SENDER

TO SAMPLE MANAGEMENT
SGS ACCUTEST SOUTHEAST
4405 VINELAND RD
SUITE C-15
ORLANDO FL 328115803
(407) 425-6700 REF:
INV:
PO: DEPT:

FedEx Express

TUE - 23 FEB 3:00P
STANDARD OVERNIGHT

TRK# 0201 6595 2492 3277

XH TIXA

32811
FL-US MCO

Part # 156148-434 RIT2 07/14

9.1

9

MC44478: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218	SW846 8260B						
VJ5218-BS	67-64-1	Acetone	BSP	REC	100	%	39-160
VJ5218-BS	71-43-2	Benzene	BSP	REC	110	%	79-120
VJ5218-BS	108-86-1	Bromobenzene	BSP	REC	111	%	80-120
VJ5218-BS	74-97-5	Bromochloromethane	BSP	REC	104	%	78-123
VJ5218-BS	75-27-4	Bromodichloromethane	BSP	REC	107	%	79-125
VJ5218-BS	75-25-2	Bromoform	BSP	REC	94	%	66-130
VJ5218-BS	78-93-3	2-Butanone (MEK)	BSP	REC	87	%	56-143
VJ5218-BS	104-51-8	n-Butylbenzene	BSP	REC	118	%	75-128
VJ5218-BS	135-98-8	sec-Butylbenzene	BSP	REC	127	%	77-126
VJ5218-BS	98-06-6	tert-Butylbenzene	BSP	REC	114	%	78-124
VJ5218-BS	75-15-0	Carbon Disulfide	BSP	REC	118	%	64-133
VJ5218-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VJ5218-BS	108-90-7	Chlorobenzene	BSP	REC	109	%	82-118
VJ5218-BS	75-00-3	Chloroethane	BSP	REC	128	%	60-138
VJ5218-BS	67-66-3	Chloroform	BSP	REC	110	%	79-124
VJ5218-BS	95-49-8	o-Chlorotoluene	BSP	REC	115	%	79-122
VJ5218-BS	106-43-4	p-Chlorotoluene	BSP	REC	112	%	78-122
VJ5218-BS	124-48-1	Dibromochloromethane	BSP	REC	100	%	74-126
VJ5218-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	79	%	62-128
VJ5218-BS	106-93-4	1,2-Dibromoethane	BSP	REC	100	%	77-121
VJ5218-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	123	%	32-152
VJ5218-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	110	%	80-119
VJ5218-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	118	%	80-119
VJ5218-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	110	%	79-118
VJ5218-BS	75-34-3	1,1-Dichloroethane	BSP	REC	110	%	77-125
VJ5218-BS	107-06-2	1,2-Dichloroethane	BSP	REC	97	%	73-128
VJ5218-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
VJ5218-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	103	%	78-123
VJ5218-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	117	%	75-124
VJ5218-BS	78-87-5	1,2-Dichloropropane	BSP	REC	104	%	78-122
VJ5218-BS	142-28-9	1,3-Dichloropropane	BSP	REC	96	%	80-119
VJ5218-BS	594-20-7	2,2-Dichloropropane	BSP	REC	110	%	60-139
VJ5218-BS	563-58-6	1,1-Dichloropropene	BSP	REC	112	%	79-125
VJ5218-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	99	%	75-124
VJ5218-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	112	%	73-127
VJ5218-BS	100-41-4	Ethylbenzene	BSP	REC	107	%	79-121
VJ5218-BS	87-68-3	Hexachlorobutadiene	BSP	REC	106	%	66-134
VJ5218-BS	591-78-6	2-Hexanone	BSP	REC	88	%	57-139
VJ5218-BS	98-82-8	Isopropylbenzene	BSP	REC	108	%	72-131
VJ5218-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
VJ5218-BS	74-83-9	Methyl Bromide	BSP	REC	105	%	53-141
VJ5218-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218-BS	74-88-4	Methyl Iodide	BSP	REC	114	%	69-131
VJ5218-BS	74-95-3	Methylene Bromide	BSP	REC	102	%	79-123
VJ5218-BS	75-09-2	Methylene Chloride	BSP	REC	100	%	74-124
VJ5218-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	86	%	67-130
VJ5218-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	91	%	71-124
VJ5218-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
VJ5218-BS	103-65-1	n-Propylbenzene	BSP	REC	126	%	76-126
VJ5218-BS	100-42-5	Styrene	BSP	REC	115	%	78-123
VJ5218-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	110	%	78-124
VJ5218-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	90	%	71-121
VJ5218-BS	127-18-4	Tetrachloroethylene	BSP	REC	108	%	74-129
VJ5218-BS	108-88-3	Toluene	BSP	REC	110	%	80-121
VJ5218-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	96	%	69-129
VJ5218-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	69-130
VJ5218-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	104	%	74-131
VJ5218-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	99	%	80-119
VJ5218-BS	79-01-6	Trichloroethylene	BSP	REC	114	%	79-123
VJ5218-BS	75-69-4	Trichlorofluoromethane	BSP	REC	112	%	65-141
VJ5218-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	90	%	73-122
VJ5218-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	115	%	76-124
VJ5218-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	117	%	75-124
VJ5218-BS	108-05-4	Vinyl Acetate	BSP	REC	89	%	54-146
VJ5218-BS	75-01-4	Vinyl Chloride	BSP	REC	112	%	58-137
VJ5218-BS		m,p-Xylene	BSP	REC	110	%	80-121
VJ5218-BS	95-47-6	o-Xylene	BSP	REC	113	%	78-122
VJ5218-BS	1330-20-7	Xylene (total)	BSP	REC	111	%	79-121
VJ5218-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5218-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	91	%	81-118
VJ5218-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VJ5218-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
MC44458-3MS*	67-64-1	Acetone	MS	REC	76	%	39-160
MC44458-3MS*	71-43-2	Benzene	MS	REC	111	%	79-120
MC44458-3MS*	108-86-1	Bromobenzene	MS	REC	113	%	80-120
MC44458-3MS*	74-97-5	Bromochloromethane	MS	REC	107	%	78-123
MC44458-3MS*	75-27-4	Bromodichloromethane	MS	REC	106	%	79-125
MC44458-3MS*	75-25-2	Bromoform	MS	REC	84	%	66-130
MC44458-3MS*	78-93-3	2-Butanone (MEK)	MS	REC	74	%	56-143
MC44458-3MS*	104-51-8	n-Butylbenzene	MS	REC	115	%	75-128
MC44458-3MS*	135-98-8	sec-Butylbenzene	MS	REC	127	%	77-126
MC44458-3MS*	98-06-6	tert-Butylbenzene	MS	REC	111	%	78-124
MC44458-3MS*	75-15-0	Carbon Disulfide	MS	REC	106	%	64-133
MC44458-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	112	%	72-136
MC44458-3MS*	108-90-7	Chlorobenzene	MS	REC	110	%	82-118
MC44458-3MS*	75-00-3	Chloroethane	MS	REC	142	%	60-138
MC44458-3MS*	67-66-3	Chloroform	MS	REC	112	%	79-124

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	95-49-8	o-Chlorotoluene	MS	REC	117	%	79-122
MC44458-3MS*	106-43-4	p-Chlorotoluene	MS	REC	112	%	78-122
MC44458-3MS*	124-48-1	Dibromochloromethane	MS	REC	94	%	74-126
MC44458-3MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	74	%	62-128
MC44458-3MS*	106-93-4	1,2-Dibromoethane	MS	REC	100	%	77-121
MC44458-3MS*	75-71-8	Dichlorodifluoromethane	MS	REC	119	%	32-152
MC44458-3MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	110	%	80-119
MC44458-3MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	116	%	80-119
MC44458-3MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	109	%	79-118
MC44458-3MS*	75-34-3	1,1-Dichloroethane	MS	REC	111	%	77-125
MC44458-3MS*	107-06-2	1,2-Dichloroethane	MS	REC	96	%	73-128
MC44458-3MS*	75-35-4	1,1-Dichloroethylene	MS	REC	118	%	71-131
MC44458-3MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	106	%	78-123
MC44458-3MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
MC44458-3MS*	78-87-5	1,2-Dichloropropane	MS	REC	103	%	78-122
MC44458-3MS*	142-28-9	1,3-Dichloropropane	MS	REC	95	%	80-119
MC44458-3MS*	594-20-7	2,2-Dichloropropane	MS	REC	105	%	60-139
MC44458-3MS*	563-58-6	1,1-Dichloropropene	MS	REC	107	%	79-125
MC44458-3MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	91	%	75-124
MC44458-3MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	106	%	73-127
MC44458-3MS*	100-41-4	Ethylbenzene	MS	REC	107	%	79-121
MC44458-3MS*	87-68-3	Hexachlorobutadiene	MS	REC	96	%	66-134
MC44458-3MS*	591-78-6	2-Hexanone	MS	REC	79	%	57-139
MC44458-3MS*	98-82-8	Isopropylbenzene	MS	REC	108	%	72-131
MC44458-3MS*	99-87-6	p-Isopropyltoluene	MS	REC	105	%	77-127
MC44458-3MS*	74-83-9	Methyl Bromide	MS	REC	120	%	53-141
MC44458-3MS*	74-87-3	Methyl Chloride	MS	REC	108	%	50-139
MC44458-3MS*	74-88-4	Methyl Iodide	MS	REC	111	%	69-131
MC44458-3MS*	74-95-3	Methylene Bromide	MS	REC	103	%	79-123
MC44458-3MS*	75-09-2	Methylene Chloride	MS	REC	94	%	74-124
MC44458-3MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	82	%	67-130
MC44458-3MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	93	%	71-124
MC44458-3MS*	91-20-3	Naphthalene	MS	REC	90	%	61-128
MC44458-3MS*	103-65-1	n-Propylbenzene	MS	REC	126	%	76-126
MC44458-3MS*	100-42-5	Styrene	MS	REC	112	%	78-123
MC44458-3MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	112	%	78-124
MC44458-3MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	93	%	71-121
MC44458-3MS*	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
MC44458-3MS*	108-88-3	Toluene	MS	REC	109	%	80-121
MC44458-3MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	93	%	69-129
MC44458-3MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
MC44458-3MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	106	%	74-131
MC44458-3MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	100	%	80-119
MC44458-3MS*	79-01-6	Trichloroethylene	MS	REC	116	%	79-123
MC44458-3MS*	75-69-4	Trichlorofluoromethane	MS	REC	124	%	65-141

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
MC44458-3MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	115	%	76-124
MC44458-3MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	115	%	75-124
MC44458-3MS*	108-05-4	Vinyl Acetate	MS	REC	83	%	54-146
MC44458-3MS*	75-01-4	Vinyl Chloride	MS	REC	123	%	58-137
MC44458-3MS*		m,p-Xylene	MS	REC	110	%	80-121
MC44458-3MS*	95-47-6	o-Xylene	MS	REC	114	%	78-122
MC44458-3MS*	1330-20-7	Xylene (total)	MS	REC	111	%	79-121
MC44458-3MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
MC44458-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	89	%	81-118
MC44458-3MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
MC44458-3MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
MC44458-3MSD*	67-64-1	Acetone	MSD	REC	84	%	39-160
MC44458-3MSD*	67-64-1	Acetone	MSD	RPD	11	%	20
MC44458-3MSD*	71-43-2	Benzene	MSD	REC	110	%	79-120
MC44458-3MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	REC	112	%	80-120
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	REC	105	%	78-123
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	REC	99	%	79-125
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	RPD	7	%	20
MC44458-3MSD*	75-25-2	Bromoform	MSD	REC	79	%	66-130
MC44458-3MSD*	75-25-2	Bromoform	MSD	RPD	6	%	20
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	79	%	56-143
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	6	%	20
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	REC	114	%	75-128
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	REC	125	%	77-126
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	REC	113	%	78-124
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	REC	100	%	64-133
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	RPD	6	%	20
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	103	%	72-136
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	REC	109	%	82-118
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-00-3	Chloroethane	MSD	REC	131	%	60-138
MC44458-3MSD*	75-00-3	Chloroethane	MSD	RPD	8	%	20
MC44458-3MSD*	67-66-3	Chloroform	MSD	REC	110	%	79-124
MC44458-3MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	REC	117	%	79-122
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	REC	113	%	78-122

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	REC	88	%	74-126
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	RPD	6	%	20
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	74	%	62-128
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	99	%	77-121
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	115	%	32-152
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	3	%	20
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	111	%	80-119
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	117	%	80-119
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	110	%	79-118
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	110	%	77-125
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	97	%	73-128
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	116	%	71-131
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	116	%	75-124
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	105	%	78-122
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	97	%	80-119
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	104	%	60-139
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	106	%	79-125
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	88	%	75-124
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	100	%	73-127
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	REC	105	%	79-121
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	98	%	66-134
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	2	%	20
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	REC	82	%	57-139
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	RPD	4	%	20
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	REC	105	%	72-131
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	104	%	77-127
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	REC	112	%	53-141
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	RPD	7	%	20
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	REC	103	%	50-139
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	RPD	5	%	20
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	REC	112	%	69-131
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	RPD	1	%	20
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	REC	93	%	74-124
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	87	%	67-130
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	6	%	20
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
MC44458-3MSD*	91-20-3	Naphthalene	MSD	REC	94	%	61-128
MC44458-3MSD*	91-20-3	Naphthalene	MSD	RPD	5	%	20
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	REC	126	%	76-126
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
MC44458-3MSD*	100-42-5	Styrene	MSD	REC	106	%	78-123
MC44458-3MSD*	100-42-5	Styrene	MSD	RPD	5	%	20
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	108	%	78-124
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	4	%	20
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	REC	104	%	74-129
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	108-88-3	Toluene	MSD	REC	108	%	80-121
MC44458-3MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	100	%	69-129
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	102	%	69-130
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	103	%	74-131
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	103	%	80-119
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	REC	119	%	79-123
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	115	%	65-141
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	8	%	20
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	96	%	73-122
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	5	%	20
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	114	%	76-124

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	113	%	75-124
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	REC	85	%	54-146
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	REC	115	%	58-137
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
MC44458-3MSD*		m,p-Xylene	MSD	REC	106	%	80-121
MC44458-3MSD*		m,p-Xylene	MSD	RPD	4	%	20
MC44458-3MSD*	95-47-6	o-Xylene	MSD	REC	110	%	78-122
MC44458-3MSD*	95-47-6	o-Xylene	MSD	RPD	3	%	20
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	REC	108	%	79-121
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	RPD	4	%	20
MC44458-3MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
MC44458-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	89	%	81-118
MC44458-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
MC44458-3MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5218-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
VJ5218-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	92	%	81-118
VJ5218-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5218-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	101	%	85-114
MC44478-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
MC44478-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44478-1	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44478-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
MC44478-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44478-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	92	%	81-118
MC44478-2	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44478-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44478-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44478-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44478-3	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44478-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44478-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44478-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44478-4	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44478-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
VJ5220	SW846 8260B						
VJ5220-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	100	%	78-123
VJ5220-BS	127-18-4	Tetrachloroethylene	BSP	REC	103	%	74-129
VJ5220-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5220-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VJ5220-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5220-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
MC44452-12MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	108	%	78-123
MC44452-12MS*	127-18-4	Tetrachloroethylene	MS	REC	108	%	74-129
MC44452-12MS*	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
MC44452-12MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	93	%	81-118
MC44452-12MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
MC44452-12MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
MC44452-12MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
MC44452-12MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
MC44452-12MSD*	127-18-4	Tetrachloroethylene	MSD	REC	106	%	74-129
MC44452-12MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44452-12MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
MC44452-12MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	92	%	81-118
MC44452-12MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
MC44452-12MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5220-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119
VJ5220-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	92	%	81-118
VJ5220-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5220-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
MC44478-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	80-119
MC44478-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	90	%	81-118
MC44478-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
MC44478-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
MC44478-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44478-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	90	%	81-118
MC44478-2	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
MC44478-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114

* Sample used for QC is not from job MC44478

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5220-MB	J0974682.D	1	02/29/16	DP	n/a	n/a	VJ5220

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	125	100	50-147
71-43-2	Benzene	25	27.4	110	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.9	104	76-123
75-27-4	Bromodichloromethane	25	26.7	107	79-123
75-25-2	Bromoform	25	23.5	94	66-123
78-93-3	2-Butanone (MEK)	125	109	87	56-143
104-51-8	n-Butylbenzene	25	29.4	118	79-126
135-98-8	sec-Butylbenzene	25	31.7	127	83-133
98-06-6	tert-Butylbenzene	25	28.4	114	80-133
75-15-0	Carbon Disulfide	25	29.6	118	66-148
56-23-5	Carbon Tetrachloride	25	27.9	112	76-136
108-90-7	Chlorobenzene	25	27.2	109	82-124
75-00-3	Chloroethane	25	31.9	128	62-144
67-66-3	Chloroform	25	27.5	110	80-124
95-49-8	o-Chlorotoluene	25	28.8	115	81-127
106-43-4	p-Chlorotoluene	25	28.1	112	83-130
124-48-1	Dibromochloromethane	25	24.9	100	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	19.8	79	64-123
106-93-4	1,2-Dibromoethane	25	24.9	100	75-120
75-71-8	Dichlorodifluoromethane	25	30.8	123	42-167
95-50-1	1,2-Dichlorobenzene	25	27.6	110	82-124
541-73-1	1,3-Dichlorobenzene	25	29.4	118	84-125
106-46-7	1,4-Dichlorobenzene	25	27.4	110	78-120
75-34-3	1,1-Dichloroethane	25	27.5	110	81-122
107-06-2	1,2-Dichloroethane	25	24.2	97	75-125
75-35-4	1,1-Dichloroethylene	25	29.5	118	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.3	117	76-127
78-87-5	1,2-Dichloropropane	25	26.0	104	76-124
142-28-9	1,3-Dichloropropane	25	24.0	96	80-118
594-20-7	2,2-Dichloropropane	25	27.6	110	74-139
563-58-6	1,1-Dichloropropene	25	27.9	112	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	75-118
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	80-120
100-41-4	Ethylbenzene	25	26.8	107	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	26.4	106	75-142
591-78-6	2-Hexanone	125	110	88	61-129
98-82-8	Isopropylbenzene	25	27.0	108	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	26.3	105	59-143
74-87-3	Methyl Chloride	25	26.4	106	50-159
74-88-4	Methyl Iodide	25	28.4	114	73-123
74-95-3	Methylene Bromide	25	25.6	102	78-119
75-09-2	Methylene Chloride	25	25.0	100	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	108	86	66-122
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	72-117
91-20-3	Naphthalene	25	22.9	92	63-132
103-65-1	n-Propylbenzene	25	31.6	126	82-133
100-42-5	Styrene	25	28.7	115	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.6	110	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	72-120
127-18-4	Tetrachloroethylene	25	27.1	108	76-135
108-88-3	Toluene	25	27.5	110	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.0	96	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.0	100	73-129
71-55-6	1,1,1-Trichloroethane	25	25.9	104	75-130
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
79-01-6	Trichloroethylene	25	28.4	114	81-126
75-69-4	Trichlorofluoromethane	25	28.1	112	71-156
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-120
95-63-6	1,2,4-Trimethylbenzene	25	28.8	115	79-120
108-67-8	1,3,5-Trimethylbenzene	25	29.2	117	79-120
108-05-4	Vinyl Acetate	125	111	89	43-154
75-01-4	Vinyl Chloride	25	28.0	112	69-159
	m,p-Xylene	50	55.0	110	79-126
95-47-6	o-Xylene	25	28.3	113	80-127
1330-20-7	Xylene (total)	75	83.3	111	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5220-BS	J0974683.D	1	02/29/16	DP	n/a	n/a	VJ5220

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	78-120
127-18-4	Tetrachloroethylene	25	25.8	103	76-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	94.4	76	125	105	84	11	50-147/21
71-43-2	Benzene	1.0 U		25	27.8	111	25	27.5	110	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	28.3	113	25	28.1	112	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.7	107	25	26.2	105	2	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.6	106	25	24.8	99	7	79-123/19
75-25-2	Bromoform	1.0 U		25	21.1	84	25	19.8	79	6	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	92.3	74	125	98.3	79	6	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	28.8	115	25	28.5	114	1	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	31.7	127	25	31.3	125	1	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	27.8	111	25	28.2	113	1	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	26.5	106	25	25.0	100	6	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	28.0	112	25	25.7	103	9	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	27.6	110	25	27.2	109	1	82-124/14
75-00-3	Chloroethane	2.0 U		25	35.5	142	25	32.7	131	8	62-144/20
67-66-3	Chloroform	1.0 U		25	27.9	112	25	27.5	110	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	29.3	117	25	29.2	117	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	28.1	112	25	28.2	113	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	23.4	94	25	22.0	88	6	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	18.5	74	25	18.4	74	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	25.0	100	25	24.8	99	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	29.8	119	25	28.8	115	3	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	27.5	110	25	27.7	111	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	28.9	116	25	29.3	117	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	27.3	109	25	27.6	110	1	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.7	111	25	27.4	110	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	24.1	96	25	24.2	97	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.6	118	25	29.0	116	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.4	106	25	26.4	106	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.3	117	25	29.0	116	1	76-127/17
78-87-5	1,2-Dichloropropane	1.0 U		25	25.7	103	25	26.3	105	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.8	95	25	24.2	97	2	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	26.2	105	25	25.9	104	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.7	107	25	26.6	106	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.7	91	25	22.0	88	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.4	106	25	25.1	100	5	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	25	26.3	105	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	24.1	96	25	24.6	98	2	75-142/19
591-78-6	2-Hexanone	10 U		125	98.2	79	125	102	82	4	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.9	108	25	26.3	105	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.2	105	25	26.0	104	1	79-130/16
74-83-9	Methyl Bromide	2.0 U		25	30.0	120	25	28.1	112	7	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	27.1	108	25	25.8	103	5	50-159/19
74-88-4	Methyl Iodide	1.0 U		25	27.8	111	25	28.0	112	1	73-123/16
74-95-3	Methylene Bromide	2.0 U		25	25.7	103	25	25.8	103	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	23.4	94	25	23.2	93	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	103	82	125	109	87	6	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.3	93	25	23.5	94	1	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.4	90	25	23.5	94	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	31.6	126	25	31.5	126	0	82-133/15
100-42-5	Styrene	1.0 U		25	28.0	112	25	26.6	106	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	28.0	112	25	26.9	108	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.2	93	25	24.0	96	3	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	26.4	106	25	25.9	104	2	76-135/16
108-88-3	Toluene	1.0 U		25	27.2	109	25	26.9	108	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.3	93	25	25.1	100	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.0	96	25	25.5	102	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.4	106	25	25.7	103	3	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.0	100	25	25.7	103	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	29.0	116	25	29.7	119	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	31.0	124	25	28.7	115	8	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	22.9	92	25	24.1	96	5	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	28.7	115	25	28.5	114	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	28.8	115	25	28.3	113	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	104	83	125	106	85	2	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	30.8	123	25	28.7	115	7	69-159/18
	m,p-Xylene	2.0 U		50	55.2	110	50	53.2	106	4	79-126/15
95-47-6	o-Xylene	1.0 U		25	28.4	114	25	27.6	110	3	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	83.6	111	75	80.7	108	4	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Surrogate Recoveries	MS	MSD	MC44458-3	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	91%	79-125%
2037-26-5	Toluene-D8	98%	97%	104%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44452-12MS	J0974731.D	1	03/01/16	DP	n/a	n/a	VJ5220
MC44452-12MSD	J0974732.D	1	03/01/16	DP	n/a	n/a	VJ5220
MC44452-12	J0974699.D	1	02/29/16	DP	n/a	n/a	VJ5220

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2

CAS No.	Compound	MC44452-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	27.0	108	25	26.6	106	1	78-120/15
127-18-4	Tetrachloroethylene	1.0 U		25	27.0	108	25	26.5	106	2	76-135/16

CAS No.	Surrogate Recoveries	MS	MSD	MC44452-12	Limits
1868-53-7	Dibromofluoromethane	102%	102%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	92%	92%	79-125%
2037-26-5	Toluene-D8	97%	98%	102%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	102%	83-118%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44478-1	J0974684.D	101	90	102	98
MC44478-1	J0974634.D	100	91	103	101
MC44478-2	J0974685.D	98	90	100	99
MC44478-2	J0974635.D	97	92	103	103
MC44478-3	J0974636.D	97	91	104	103
MC44478-4	J0974637.D	98	91	104	102
MC44452-12MS	J0974731.D	102	93	97	94
MC44452-12MSD	J0974732.D	102	92	98	95
MC44458-3MS	J0974646.D	100	89	98	94
MC44458-3MSD	J0974647.D	101	89	97	95
VJ5218-BS	J0974627.D	101	91	100	97
VJ5218-MB	J0974626.D	95	92	101	101
VJ5220-BS	J0974683.D	101	94	99	97
VJ5220-MB	J0974682.D	99	92	101	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST — CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: 6595 2492 3255 | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44478

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175;
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1	G6M-03-01X		2/22/16	9:30:00 AM	KGA	AQ	1					x				X	
2	G6M-13-02X		2/22/16	12:30:00 PM	KGA	AQ	1					x				X	MA
3	G6M-04-05X		2/22/16	2:05:00 PM	KGA	AQ	1					x				X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/3/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – DOD
SO4 by 300

INITIAL ASESSMENT AM 3A
LABEL VERIFICATION JK

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:
1		2/23/16	
2	Relinquished By:	Date Time: 9:30 2-23-16	Received By:
3	Relinquished by Sampler:	Date Time:	Received By:
4	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:

Custody Seal #: [ ] Intact [ ] Not intact | Preserved where applicable: [ ] | On Ice: [ ] | Cooler Temp: 2.3 C IR

11.1 11

MC44478: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44478 **Client:** _____ **Project:** _____

Date / Time Received: 2/23/2016 9:30:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44478

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP95850/GN41603	0.50	0.0	mg/l	80	81.9	102.4	90-110%
Sulfate	GP95850/GN41603	2.0	0.0	mg/l	80	80.2	100.3	90-110%

Associated Samples:
Batch GP95850: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP95850/GN41423	JC14479-1	mg/l	183	183	0.0	0-20%
Sulfate	GP95850/GN41603	JC14479-1	mg/l	3740	3720	0.5	0-20%

Associated Samples:
Batch GP95850: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP95850/GN41423	JC14479-1	mg/l	183	80	259	95.0	80-120%
Sulfate	GP95850/GN41603	JC14479-1	mg/l	3740	1600	6230	155.6N(a)	80-120%

Associated Samples:
Batch GP95850: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

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e-Hardcopy 2.0
Automated Report

Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

SGS Accutest Job Number: MC44457

Sampling Date: 02/19/16



Report to:

H&S Environmental
160 East Main Street
Westborough, MA 01581
lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: **86**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

H&S Environmental

Job No: MC44457

Fort Devens, AOC50, Devens, MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44457-1	02/19/16	09:20	KGA	02/19/16	AQ	Ground Water	G6M-04-04X
MC44457-1F	02/19/16	09:20	KGA	02/19/16	AQ	Groundwater Filtered	G6M-04-04X
MC44457-2	02/19/16	11:10	KGA	02/19/16	AQ	Ground Water	G6M-03-09X
MC44457-2F	02/19/16	11:10	KGA	02/19/16	AQ	Groundwater Filtered	G6M-03-09X
MC44457-3	02/19/16	12:45	KGA	02/19/16	AQ	Ground Water	G6M-04-09X
MC44457-3F	02/19/16	12:45	KGA	02/19/16	AQ	Groundwater Filtered	G6M-04-09X
MC44457-4	02/19/16	07:44	KGA	02/19/16	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: H&S Environmental **Job No** MC44457

Site: Fort Devens, AOC50, Devens, MA **Report Date** 3/4/2016 5:12:02 PM

3 Sample(s) and 1 Trip Blank were collected on 02/19/2016 and were received at SGS Accutest New England on 02/19/2016 properly preserved, at 2.9 Deg. C and intact. These Samples received a job number of MC44457. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5218

- Analysis performed at Accutest Laboratories, Orlando FL.

  MC44458-3MS for sec-Butylbenzene, Chloroethane: Outside DoD control limits.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1591

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44454-2DUP were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25867

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1FMS, MC44440-1FMSD, MC44440-1FSDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95969

- Sulfate: Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20153

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1DUP, MC44440-1MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38058

- MC44457-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38060

- MC44457-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38061

- MC44457-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20129

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1DUP, MC44440-1MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53113

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-2DUP, MC44440-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ **Batch ID:** GN53141

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1MS, MC44440-2DUP were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ **Batch ID:** GP20139

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1MS, MC44440-1MSD were used as the QC samples for Total Organic Carbon.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC44457).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44457
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	3/4/2016 4:40:51 PM

On 02/23/2016, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44457 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95969

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14499-1DUP, JC14499-1MS were used as the QC samples for Sulfate.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job No:** MC44457

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 3/4/2016 6:46:30 PM

3 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 02/19/2016 and were received at SGS Accutest Southeast (SASE) on 02/19/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an SASE job number of MC44457. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5218

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44458-3MS, MC44458-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MC44457-2 for Methyl Bromide: Associated ICV outside control limits.

MC44457-1 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44457-1 for Chloroethane: Associated ICV outside control limits.

MC44457-1 for Methyl Bromide: Associated ICV outside control limits.

MC44457-2 for Chloroethane: Associated ICV outside control limits.

MC44458-3MS for sec-Butylbenzene: Outside DOD QSM control limits.

MC44457-3 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44457-3 for Chloroethane: Associated ICV outside control limits.

MC44457-3 for Methyl Bromide: Associated ICV outside control limits.

MC44457-4 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44457-4 for Chloroethane: Associated ICV outside control limits.

MC44457-4 for Methyl Bromide: Associated ICV outside control limits.

MC44458-3MS for Chloroethane: Outside DOD QSM control limits.

MC44457-2 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used

Manual Integration Summary

Lab Sample ID	Analysis Type	File ID	Manual Integrations
MC44458-3MS	MSVOA	J0974646.D	Carbon Tetrachloride
MC44458-3MSD	MSVOA	J0974647.D	Carbon Tetrachloride, Ethyl Alcohol
VJ5204-IC5204	MSVOA	J0974256.D	1,4-Dichlorobenzene, Acrylonitrile, Dichlorodifluoromethane, Isobutyl Alcohol, Trichlorofluoromethane
VJ5204-IC5204	MSVOA	J0974257.D	1,4-Dichlorobenzene, Carbon Tetrachloride, Trichlorofluoromethane
VJ5204-IC5204	MSVOA	J0974258.D	Carbon Tetrachloride, Trichlorofluoromethane
VJ5204-IC5204	MSVOA	J0974259.D	Carbon Tetrachloride, Ethyl Alcohol, Trichlorofluoromethane
VJ5204-IC5204	MSVOA	J0974261.D	Carbon Tetrachloride, Ethyl Alcohol, Trichlorofluoromethane
VJ5204-IC5204	MSVOA	J0974262.D	Carbon Tetrachloride, Ethyl Alcohol, Trichlorofluoromethane
VJ5204-ICC5204	MSVOA	J0974260.D	Carbon Tetrachloride, Ethyl Alcohol, Trichlorofluoromethane
VJ5204-ICV5204	MSVOA	J0974264.D	Carbon Tetrachloride, Ethyl Alcohol, Trichlorofluoromethane
VJ5218-BS	MSVOA	J0974627.D	Carbon Tetrachloride
VJ5218-CC5204	MSVOA	J0974624.D	Carbon Tetrachloride, Ethyl Alcohol

12 Manual Integrations were found for MC44457

Summary of Hits

Job Number: MC44457
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44457-1	**G6M-04-04X**					
cis-1,2-Dichloroethylene [a]		0.50 J	1.0	0.50	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		2.8	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		1.0	1.0	0.50	ug/l	SW846 8260B
Methane		13900	200	100	ug/l	RSK-175
Ethene		65.1	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		278	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.10 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.10	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		1.3 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		7.3	1.0	0.81	mg/l	SW846 9060
MC44457-1F	**G6M-04-04X**					
Arsenic		550	4.0	2.0	ug/l	SW846 6010C
Iron		114000	1000	500	ug/l	SW846 6010C
Manganese		9760	150	75	ug/l	SW846 6010C
MC44457-2	**G6M-03-09X**					
Methane		270	10	5.0	ug/l	RSK-175
Ethane		14.1	10	5.0	ug/l	RSK-175
Ethene		6.4 J	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		36.9	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.19	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.19	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		10.5	10	0.50	mg/l	EPA 300/SW846 9056A
MC44457-2F	**G6M-03-09X**					
Manganese		99.5	15	7.5	ug/l	SW846 6010C
MC44457-3	**G6M-04-09X**					
cis-1,2-Dichloroethylene [a]		0.55 J	1.0	0.50	ug/l	SW846 8260B
Toluene [a]		0.58 J	1.0	0.50	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		0.83 J	1.0	0.50	ug/l	SW846 8260B
1,3,5-Trimethylbenzene [a]		0.50 J	1.0	0.50	ug/l	SW846 8260B
Methane		16700	200	100	ug/l	RSK-175
Alkalinity, Total as CaCO3		439	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.37	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.37	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		4.5 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		13.4	1.0	0.81	mg/l	SW846 9060

Summary of Hits

Job Number: MC44457
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44457-3F	**G6M-04-09X**					
Arsenic		514	4.0	2.0	ug/l	SW846 6010C
Iron		202000	2000	1000	ug/l	SW846 6010C
Manganese		3600	15	7.5	ug/l	SW846 6010C
MC44457-4	**TRIP BLANK**					
No hits reported in this sample.						

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-04-04X		
Lab Sample ID:	MC44457-1	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974638.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50	1.0	0.50	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	2.8	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-04X
Lab Sample ID: MC44457-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	1.0	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-04X		
Lab Sample ID:	MC44457-1	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-04X		
Lab Sample ID:	MC44457-1	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23321.D	1	02/22/16	DF	n/a	n/a	GBA1591
Run #2	BA23322.D	1	02/22/16	DF	n/a	n/a	GBA1591

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	13900 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	65.1	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-04X
Lab Sample ID: MC44457-1
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	278	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.10 J	0.11	0.057	mg/l	1	02/25/16 13:32	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.10	0.10	0.054	mg/l	1	02/25/16 13:32	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/19/16 17:30	EL	SM 21 4500 NO2 B
Sulfate [b]	1.3 J	10	0.50	mg/l	1	03/03/16 21:02	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	7.3	1.0	0.81	mg/l	1	02/23/16 01:16	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-04X		
Lab Sample ID:	MC44457-1F	**Date Sampled:**	02/19/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/19/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	550	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	114000	1000	500	ug/l	10	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	9760	150	75	ug/l	10	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-09X		
Lab Sample ID:	MC44457-2	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974639.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-09X
Lab Sample ID: MC44457-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-09X		
Lab Sample ID:	MC44457-2	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-09X		
Lab Sample ID:	MC44457-2	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23323.D	1	02/22/16	DF	n/a	n/a	GBA1591
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	270	10	5.0	ug/l	
74-84-0	Ethane	14.1	10	5.0	ug/l	
74-85-1	Ethene	6.4	10	5.0	ug/l	J

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-09X
Lab Sample ID: MC44457-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	36.9	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.19	0.11	0.057	mg/l	1	02/25/16 13:36	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.19	0.10	0.054	mg/l	1	02/25/16 13:36	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/19/16 17:30	EL	SM 21 4500 NO2 B
Sulfate [b]	10.5	10	0.50	mg/l	1	03/03/16 22:13	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	02/23/16 04:57	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-09X		
Lab Sample ID:	MC44457-2F	**Date Sampled:**	02/19/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/19/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	99.5	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-09X		
Lab Sample ID:	MC44457-3	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974640.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.55	1.0	0.50	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-09X
Lab Sample ID: MC44457-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.58	1.0	0.50	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.83	1.0	0.50	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.50	1.0	0.50	ug/l	J
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-09X		
Lab Sample ID:	MC44457-3	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-09X		
Lab Sample ID:	MC44457-3	**Date Sampled:**	02/19/16
Matrix:	AQ - Ground Water	**Date Received:**	02/19/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23324.D	1	02/22/16	DF	n/a	n/a	GBA1591
Run #2	BA23325.D	1	02/22/16	DF	n/a	n/a	GBA1591

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	16700 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-09X
Lab Sample ID: MC44457-3
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	439	5.0	3.9	mg/l	1	02/20/16	MC	SM21 2320B
Nitrogen, Nitrate [a]	0.37	0.11	0.057	mg/l	1	02/25/16 13:37	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.37	0.10	0.054	mg/l	1	02/25/16 13:37	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/19/16 17:30	EL	SM 21 4500 NO2 B
Sulfate [b]	4.5 J	10	0.50	mg/l	1	03/03/16 22:37	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	13.4	1.0	0.81	mg/l	1	02/23/16 05:12	CF	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-04-09X
Lab Sample ID: MC44457-3F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	514	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	202000	2000	1000	ug/l	20	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	3600	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: MC44457-4
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974641.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: MC44457-4
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/19/16
Date Received: 02/19/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC44457-4	**Date Sampled:**	02/19/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/19/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: MC44457
Accutest Control #:

Client Information

Name: H&S Environmental
Address: 160 East Main Street, Suite 2F
City: Westborough State: MA Zip: 01581
Send Report to: Laurie Ekes (lekes@hsenv.com)
Phone #: (508)367-7190

Facility Information

Project Name: Devens
Location: AOC50 February 2016
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	Preservation: VOC	NaOH	HNO3	H2SO4	None	VOCs (3/40ml VOA vials/HCl) 2	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P/HNO3	Dissolved Gases (3-40ml VOA/HCl) RSK175 2	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)				
66M-04-04X -1F	2/19/16	920	1661	WG	~~13~~ 9	7	1	1	1	1	X	X	X	X	X	X	X				
66M-03-09X -2F	2/19/16	1110	1664	WG	~~13~~ 9	7	1	1	1	1	X	X	X	X	X	X	X				
66M-04-09X -3F	2/19/16	1245	1664	WG	~~13~~ 9	7	1	1	1	1	X	X	X	X	X	X	X				
~~[illegible]~~				~~WG~~	~~13~~	9	1	1	1	1	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~ 1664				
TripBlnk -4	2/19/16	745	1661	DF	2	2					X										

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

SE, IIA, 354

INITIAL ASESSMENT WT

LABEL VERIFICATION BK

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/19/16 1745	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved	On Ice:
5		5		☐	☒ -2.9°C

SGS Accutest Sample Receipt Summary

Job Number: MC44457 **Client:** H&S **Project:** DEVENS

Date / Time Received: 2/19/2016 2:45:00 PM **Delivery Method:** Client **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.9/2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control _Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25867	SW846 6010C						
MP25867-B1	7440-38-2	Arsenic	BSP	REC	103.2	%	87-113
MP25867-B1	7439-89-6	Iron	BSP	REC	101	%	87-115
MP25867-B1	7439-96-5	Manganese	BSP	REC	105.4	%	90-114
MP25867-S1*	7440-38-2	Arsenic	MS	REC	107.1	%	87-113
MP25867-S1*	7439-89-6	Iron	MS	REC	107	%	87-115
MP25867-S1*	7439-96-5	Manganese	MS	REC	110	%	90-114
MP25867-S2*	7440-38-2	Arsenic	MSD	REC	107.9	%	87-113
MP25867-S2*	7440-38-2	Arsenic	MSD	RPD	.7	%	20
MP25867-S2*	7439-89-6	Iron	MSD	REC	107	%	87-115
MP25867-S2*	7439-89-6	Iron	MSD	RPD	0	%	20
MP25867-S2*	7439-96-5	Manganese	MSD	REC	104	%	90-114
MP25867-S2*	7439-96-5	Manganese	MSD	RPD	.4	%	20

* Sample used for QC is not from job MC44457

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44457
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1591-MB	BA23316.D	1	02/22/16	DF	n/a	n/a	GBA1591

The QC reported here applies to the following samples: **Method:** RSK-175

MC44457-1, MC44457-2, MC44457-3

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44457
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1591-BSP	BA23317.D	1	02/22/16	DF	n/a	n/a	GBA1591

The QC reported here applies to the following samples: **Method:** RSK-175

MC44457-1, MC44457-2, MC44457-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	90.1	102	50-150
74-84-0	Ethane	166	165	99	50-150
74-85-1	Ethene	155	162	105	50-150

* = Outside of Control Limits.

Duplicate Summary

Job Number: MC44457
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44454-2DUP	BA23320.D	1	02/22/16	DF	n/a	n/a	GBA1591
MC44454-2	BA23318.D	1	02/22/16	DF	n/a	n/a	GBA1591
MC44454-2	BA23319.D	1	02/22/16	DF	n/a	n/a	GBA1591

The QC reported here applies to the following samples: **Method:** RSK-175

MC44457-1, MC44457-2, MC44457-3

CAS No.	Compound	MC44454-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	7340 [a]		7440		1	30
74-84-0	Ethane	310		258		18	30
74-85-1	Ethene	247		228		8	30

(a) Result is from Run #2.

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.40	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	4.3	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.30	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25867: MC44457-1F, MC44457-2F, MC44457-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	75.5	611	500	107.1	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	16400	27100	10000	107.0	75-125
Lead					
Lithium					
Magnesium					
Manganese	7460	8010	500	110.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44457-1F, MC44457-2F, MC44457-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	75.5	615	500	107.9	0.7	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	16400	27100	10000	107.0	0.0	20
Lead						
Lithium						
Magnesium						
Manganese	7460	7980	500	104.0	0.4	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25867: MC44457-1F, MC44457-2F, MC44457-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	516	500	103.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	10100	10000	101.0	80-120
Lead				
Lithium				
Magnesium				
Manganese	527	500	105.4	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44457-1F, MC44457-2F, MC44457-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	75.5	81.4	7.8	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	16400	16900	3.1	0-10
Lead				
Lithium				
Magnesium				
Manganese	7460	7370	1.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25867: MC44457-1F, MC44457-2F, MC44457-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53113	5.0	0.0	mg/l	250	261	104.4	80-120%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	0.10	0.048	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrite	GP20129/GN53099	0.010	0.0	mg/l	0.02	0.021	105.0	80-120%
Sulfide	GN53141	2.0	0.0	mg/l	12.2	12.2	100.0	80-120%
Total Organic Carbon	GP20139/GN53125	1.0	0.0	mg/l	10	9.01	90.1	80-120%

Associated Samples:
Batch GN53113: MC44457-1, MC44457-2, MC44457-3
Batch GN53141: MC44457-1, MC44457-2, MC44457-3
Batch GP20129: MC44457-1, MC44457-2, MC44457-3
Batch GP20139: MC44457-1, MC44457-2, MC44457-3
Batch GP20153: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53113	MC44440-2	mg/l	155	157	1.3	0-20%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	0.076	13.5	0-20%
Nitrogen, Nitrite	GP20129/GN53099	MC44440-1	mg/l	0.0048	0.0054	11.8	0-20%
Sulfide	GN53141	MC44440-2	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53113: MC44457-1, MC44457-2, MC44457-3
Batch GN53141: MC44457-1, MC44457-2, MC44457-3
Batch GP20129: MC44457-1, MC44457-2, MC44457-3
Batch GP20153: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53113	MC44440-2	mg/l	155	250	397	96.8	75-125%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	2	2.0	95.7	90-110%
Nitrogen, Nitrite	GP20129/GN53099	MC44440-1	mg/l	0.0048	0.02	0.024	96.0	75-125%
Sulfide	GN53141	MC44440-1	mg/l	0.34 U	12.2	11.8	96.7	75-125%
Total Organic Carbon	GP20139/GN53125	MC44440-1	mg/l	11.8	10	20.1	83.0	75-125%

Associated Samples:
Batch GN53113: MC44457-1, MC44457-2, MC44457-3
Batch GN53141: MC44457-1, MC44457-2, MC44457-3
Batch GP20129: MC44457-1, MC44457-2, MC44457-3
Batch GP20139: MC44457-1, MC44457-2, MC44457-3
Batch GP20153: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20139/GN53125	MC44440-1	mg/l	11.8	10	20.3	1.0	20%

Associated Samples:
Batch GP20139: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST
50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44457

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlbourough, State: MA, Zip: 01752
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD ,VMS+8260C ,VMS+MTBE .	LAB USE ONLY
1	G6M-04-04X		2/19/16	9:20:00 AM	KGA	AQ	2	x								X	
2	G6M-03-09X		2/19/16	11:10:00 AM	KGA	AQ	2	x								X	
3	G6M-04-09X		2/19/16	12:45:00 PM	KGA	AQ	2	x								X	
4	TRIP BLANK		2/19/16	7:44:00 AM	KGA	AQ	2	x								X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/4/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE – DOD **VOC: Need 8260C method
**See attached in regards to number of vials submitted.

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		2-19-16	FedX	FX	2.20.16	J. Carroll (ALSE) 10:15
2	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3						
4	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp. 3.4
5						
6						

9.1
9

MC44457: Chain of Custody
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Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC 44457 CLIENT: ALNE PROJECT: FORT DEVENS

DATE/TIME RECEIVED: 2-20-16 10:15 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6595 2492 3200

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 2-22-16 REVIEWER SIGNATURE/DATE: _____

NF 11/15 receipt confirmation 111015.xls

9.1

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MC44457: Chain of Custody
Page 2 of 3



9.1

9

MC44457: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218	SW846 8260B						
VJ5218-BS	67-64-1	Acetone	BSP	REC	100	%	39-160
VJ5218-BS	71-43-2	Benzene	BSP	REC	110	%	79-120
VJ5218-BS	108-86-1	Bromobenzene	BSP	REC	111	%	80-120
VJ5218-BS	74-97-5	Bromochloromethane	BSP	REC	104	%	78-123
VJ5218-BS	75-27-4	Bromodichloromethane	BSP	REC	107	%	79-125
VJ5218-BS	75-25-2	Bromoform	BSP	REC	94	%	66-130
VJ5218-BS	78-93-3	2-Butanone (MEK)	BSP	REC	87	%	56-143
VJ5218-BS	104-51-8	n-Butylbenzene	BSP	REC	118	%	75-128
VJ5218-BS	135-98-8	sec-Butylbenzene	BSP	REC	127	%	77-126
VJ5218-BS	98-06-6	tert-Butylbenzene	BSP	REC	114	%	78-124
VJ5218-BS	75-15-0	Carbon Disulfide	BSP	REC	118	%	64-133
VJ5218-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VJ5218-BS	108-90-7	Chlorobenzene	BSP	REC	109	%	82-118
VJ5218-BS	75-00-3	Chloroethane	BSP	REC	128	%	60-138
VJ5218-BS	67-66-3	Chloroform	BSP	REC	110	%	79-124
VJ5218-BS	95-49-8	o-Chlorotoluene	BSP	REC	115	%	79-122
VJ5218-BS	106-43-4	p-Chlorotoluene	BSP	REC	112	%	78-122
VJ5218-BS	124-48-1	Dibromochloromethane	BSP	REC	100	%	74-126
VJ5218-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	79	%	62-128
VJ5218-BS	106-93-4	1,2-Dibromoethane	BSP	REC	100	%	77-121
VJ5218-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	123	%	32-152
VJ5218-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	110	%	80-119
VJ5218-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	118	%	80-119
VJ5218-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	110	%	79-118
VJ5218-BS	75-34-3	1,1-Dichloroethane	BSP	REC	110	%	77-125
VJ5218-BS	107-06-2	1,2-Dichloroethane	BSP	REC	97	%	73-128
VJ5218-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
VJ5218-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	103	%	78-123
VJ5218-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	117	%	75-124
VJ5218-BS	78-87-5	1,2-Dichloropropane	BSP	REC	104	%	78-122
VJ5218-BS	142-28-9	1,3-Dichloropropane	BSP	REC	96	%	80-119
VJ5218-BS	594-20-7	2,2-Dichloropropane	BSP	REC	110	%	60-139
VJ5218-BS	563-58-6	1,1-Dichloropropene	BSP	REC	112	%	79-125
VJ5218-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	99	%	75-124
VJ5218-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	112	%	73-127
VJ5218-BS	100-41-4	Ethylbenzene	BSP	REC	107	%	79-121
VJ5218-BS	87-68-3	Hexachlorobutadiene	BSP	REC	106	%	66-134
VJ5218-BS	591-78-6	2-Hexanone	BSP	REC	88	%	57-139
VJ5218-BS	98-82-8	Isopropylbenzene	BSP	REC	108	%	72-131
VJ5218-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
VJ5218-BS	74-83-9	Methyl Bromide	BSP	REC	105	%	53-141
VJ5218-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139

* Sample used for QC is not from job MC44457

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218-BS	74-88-4	Methyl Iodide	BSP	REC	114	%	69-131
VJ5218-BS	74-95-3	Methylene Bromide	BSP	REC	102	%	79-123
VJ5218-BS	75-09-2	Methylene Chloride	BSP	REC	100	%	74-124
VJ5218-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	86	%	67-130
VJ5218-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	91	%	71-124
VJ5218-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
VJ5218-BS	103-65-1	n-Propylbenzene	BSP	REC	126	%	76-126
VJ5218-BS	100-42-5	Styrene	BSP	REC	115	%	78-123
VJ5218-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	110	%	78-124
VJ5218-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	90	%	71-121
VJ5218-BS	127-18-4	Tetrachloroethylene	BSP	REC	108	%	74-129
VJ5218-BS	108-88-3	Toluene	BSP	REC	110	%	80-121
VJ5218-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	96	%	69-129
VJ5218-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	69-130
VJ5218-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	104	%	74-131
VJ5218-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	99	%	80-119
VJ5218-BS	79-01-6	Trichloroethylene	BSP	REC	114	%	79-123
VJ5218-BS	75-69-4	Trichlorofluoromethane	BSP	REC	112	%	65-141
VJ5218-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	90	%	73-122
VJ5218-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	115	%	76-124
VJ5218-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	117	%	75-124
VJ5218-BS	108-05-4	Vinyl Acetate	BSP	REC	89	%	54-146
VJ5218-BS	75-01-4	Vinyl Chloride	BSP	REC	112	%	58-137
VJ5218-BS		m,p-Xylene	BSP	REC	110	%	80-121
VJ5218-BS	95-47-6	o-Xylene	BSP	REC	113	%	78-122
VJ5218-BS	1330-20-7	Xylene (total)	BSP	REC	111	%	79-121
VJ5218-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5218-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	91	%	81-118
VJ5218-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VJ5218-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
MC44458-3MS*	67-64-1	Acetone	MS	REC	76	%	39-160
MC44458-3MS*	71-43-2	Benzene	MS	REC	111	%	79-120
MC44458-3MS*	108-86-1	Bromobenzene	MS	REC	113	%	80-120
MC44458-3MS*	74-97-5	Bromochloromethane	MS	REC	107	%	78-123
MC44458-3MS*	75-27-4	Bromodichloromethane	MS	REC	106	%	79-125
MC44458-3MS*	75-25-2	Bromoform	MS	REC	84	%	66-130
MC44458-3MS*	78-93-3	2-Butanone (MEK)	MS	REC	74	%	56-143
MC44458-3MS*	104-51-8	n-Butylbenzene	MS	REC	115	%	75-128
MC44458-3MS*	135-98-8	sec-Butylbenzene	MS	REC	127 [a]	%	77-126
MC44458-3MS*	98-06-6	tert-Butylbenzene	MS	REC	111	%	78-124
MC44458-3MS*	75-15-0	Carbon Disulfide	MS	REC	106	%	64-133
MC44458-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	112	%	72-136
MC44458-3MS*	108-90-7	Chlorobenzene	MS	REC	110	%	82-118
MC44458-3MS*	75-00-3	Chloroethane	MS	REC	142 [a]	%	60-138
MC44458-3MS*	67-66-3	Chloroform	MS	REC	112	%	79-124

* Sample used for QC is not from job MC44457

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	95-49-8	o-Chlorotoluene	MS	REC	117	%	79-122
MC44458-3MS*	106-43-4	p-Chlorotoluene	MS	REC	112	%	78-122
MC44458-3MS*	124-48-1	Dibromochloromethane	MS	REC	94	%	74-126
MC44458-3MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	74	%	62-128
MC44458-3MS*	106-93-4	1,2-Dibromoethane	MS	REC	100	%	77-121
MC44458-3MS*	75-71-8	Dichlorodifluoromethane	MS	REC	119	%	32-152
MC44458-3MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	110	%	80-119
MC44458-3MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	116	%	80-119
MC44458-3MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	109	%	79-118
MC44458-3MS*	75-34-3	1,1-Dichloroethane	MS	REC	111	%	77-125
MC44458-3MS*	107-06-2	1,2-Dichloroethane	MS	REC	96	%	73-128
MC44458-3MS*	75-35-4	1,1-Dichloroethylene	MS	REC	118	%	71-131
MC44458-3MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	106	%	78-123
MC44458-3MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
MC44458-3MS*	78-87-5	1,2-Dichloropropane	MS	REC	103	%	78-122
MC44458-3MS*	142-28-9	1,3-Dichloropropane	MS	REC	95	%	80-119
MC44458-3MS*	594-20-7	2,2-Dichloropropane	MS	REC	105	%	60-139
MC44458-3MS*	563-58-6	1,1-Dichloropropene	MS	REC	107	%	79-125
MC44458-3MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	91	%	75-124
MC44458-3MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	106	%	73-127
MC44458-3MS*	100-41-4	Ethylbenzene	MS	REC	107	%	79-121
MC44458-3MS*	87-68-3	Hexachlorobutadiene	MS	REC	96	%	66-134
MC44458-3MS*	591-78-6	2-Hexanone	MS	REC	79	%	57-139
MC44458-3MS*	98-82-8	Isopropylbenzene	MS	REC	108	%	72-131
MC44458-3MS*	99-87-6	p-Isopropyltoluene	MS	REC	105	%	77-127
MC44458-3MS*	74-83-9	Methyl Bromide	MS	REC	120	%	53-141
MC44458-3MS*	74-87-3	Methyl Chloride	MS	REC	108	%	50-139
MC44458-3MS*	74-88-4	Methyl Iodide	MS	REC	111	%	69-131
MC44458-3MS*	74-95-3	Methylene Bromide	MS	REC	103	%	79-123
MC44458-3MS*	75-09-2	Methylene Chloride	MS	REC	94	%	74-124
MC44458-3MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	82	%	67-130
MC44458-3MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	93	%	71-124
MC44458-3MS*	91-20-3	Naphthalene	MS	REC	90	%	61-128
MC44458-3MS*	103-65-1	n-Propylbenzene	MS	REC	126	%	76-126
MC44458-3MS*	100-42-5	Styrene	MS	REC	112	%	78-123
MC44458-3MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	112	%	78-124
MC44458-3MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	93	%	71-121
MC44458-3MS*	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
MC44458-3MS*	108-88-3	Toluene	MS	REC	109	%	80-121
MC44458-3MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	93	%	69-129
MC44458-3MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
MC44458-3MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	106	%	74-131
MC44458-3MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	100	%	80-119
MC44458-3MS*	79-01-6	Trichloroethylene	MS	REC	116	%	79-123
MC44458-3MS*	75-69-4	Trichlorofluoromethane	MS	REC	124	%	65-141

* Sample used for QC is not from job MC44457

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
MC44458-3MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	115	%	76-124
MC44458-3MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	115	%	75-124
MC44458-3MS*	108-05-4	Vinyl Acetate	MS	REC	83	%	54-146
MC44458-3MS*	75-01-4	Vinyl Chloride	MS	REC	123	%	58-137
MC44458-3MS*		m,p-Xylene	MS	REC	110	%	80-121
MC44458-3MS*	95-47-6	o-Xylene	MS	REC	114	%	78-122
MC44458-3MS*	1330-20-7	Xylene (total)	MS	REC	111	%	79-121
MC44458-3MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
MC44458-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	89	%	81-118
MC44458-3MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
MC44458-3MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
MC44458-3MSD*	67-64-1	Acetone	MSD	REC	84	%	39-160
MC44458-3MSD*	67-64-1	Acetone	MSD	RPD	11	%	20
MC44458-3MSD*	71-43-2	Benzene	MSD	REC	110	%	79-120
MC44458-3MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	REC	112	%	80-120
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	REC	105	%	78-123
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	REC	99	%	79-125
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	RPD	7	%	20
MC44458-3MSD*	75-25-2	Bromoform	MSD	REC	79	%	66-130
MC44458-3MSD*	75-25-2	Bromoform	MSD	RPD	6	%	20
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	79	%	56-143
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	6	%	20
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	REC	114	%	75-128
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	REC	125	%	77-126
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	REC	113	%	78-124
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	REC	100	%	64-133
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	RPD	6	%	20
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	103	%	72-136
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	REC	109	%	82-118
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-00-3	Chloroethane	MSD	REC	131	%	60-138
MC44458-3MSD*	75-00-3	Chloroethane	MSD	RPD	8	%	20
MC44458-3MSD*	67-66-3	Chloroform	MSD	REC	110	%	79-124
MC44458-3MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	REC	117	%	79-122
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	REC	113	%	78-122

* Sample used for QC is not from job MC44457

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	REC	88	%	74-126
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	RPD	6	%	20
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	74	%	62-128
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	99	%	77-121
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	115	%	32-152
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	3	%	20
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	111	%	80-119
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	117	%	80-119
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	110	%	79-118
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	110	%	77-125
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	97	%	73-128
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	116	%	71-131
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	116	%	75-124
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	105	%	78-122
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	97	%	80-119
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	104	%	60-139
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	106	%	79-125
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	88	%	75-124
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	100	%	73-127
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	REC	105	%	79-121
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	98	%	66-134
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	2	%	20
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	REC	82	%	57-139
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	RPD	4	%	20
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	REC	105	%	72-131
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44457

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	104	%	77-127
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	REC	112	%	53-141
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	RPD	7	%	20
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	REC	103	%	50-139
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	RPD	5	%	20
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	REC	112	%	69-131
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	RPD	1	%	20
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	REC	93	%	74-124
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	87	%	67-130
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	6	%	20
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
MC44458-3MSD*	91-20-3	Naphthalene	MSD	REC	94	%	61-128
MC44458-3MSD*	91-20-3	Naphthalene	MSD	RPD	5	%	20
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	REC	126	%	76-126
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
MC44458-3MSD*	100-42-5	Styrene	MSD	REC	106	%	78-123
MC44458-3MSD*	100-42-5	Styrene	MSD	RPD	5	%	20
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	108	%	78-124
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	4	%	20
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	REC	104	%	74-129
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	108-88-3	Toluene	MSD	REC	108	%	80-121
MC44458-3MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	100	%	69-129
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	102	%	69-130
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	103	%	74-131
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	103	%	80-119
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	REC	119	%	79-123
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	115	%	65-141
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	8	%	20
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	96	%	73-122
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	5	%	20
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	114	%	76-124

* Sample used for QC is not from job MC44457

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	113	%	75-124
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	REC	85	%	54-146
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	REC	115	%	58-137
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
MC44458-3MSD*		m,p-Xylene	MSD	REC	106	%	80-121
MC44458-3MSD*		m,p-Xylene	MSD	RPD	4	%	20
MC44458-3MSD*	95-47-6	o-Xylene	MSD	REC	110	%	78-122
MC44458-3MSD*	95-47-6	o-Xylene	MSD	RPD	3	%	20
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	REC	108	%	79-121
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	RPD	4	%	20
MC44458-3MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
MC44458-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	89	%	81-118
MC44458-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
MC44458-3MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5218-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
VJ5218-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	92	%	81-118
VJ5218-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5218-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	101	%	85-114
MC44457-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
MC44457-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	93	%	81-118
MC44457-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
MC44457-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44457-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44457-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	92	%	81-118
MC44457-2	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44457-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44457-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44457-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44457-3	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44457-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
MC44457-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44457-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	92	%	81-118
MC44457-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
MC44457-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114

(a) Outside DOD QSM control limits.

* Sample used for QC is not from job MC44457

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Blank Spike Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	125	100	50-147
71-43-2	Benzene	25	27.4	110	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.9	104	76-123
75-27-4	Bromodichloromethane	25	26.7	107	79-123
75-25-2	Bromoform	25	23.5	94	66-123
78-93-3	2-Butanone (MEK)	125	109	87	56-143
104-51-8	n-Butylbenzene	25	29.4	118	79-126
135-98-8	sec-Butylbenzene	25	31.7	127	83-133
98-06-6	tert-Butylbenzene	25	28.4	114	80-133
75-15-0	Carbon Disulfide	25	29.6	118	66-148
56-23-5	Carbon Tetrachloride	25	27.9	112	76-136
108-90-7	Chlorobenzene	25	27.2	109	82-124
75-00-3	Chloroethane	25	31.9	128	62-144
67-66-3	Chloroform	25	27.5	110	80-124
95-49-8	o-Chlorotoluene	25	28.8	115	81-127
106-43-4	p-Chlorotoluene	25	28.1	112	83-130
124-48-1	Dibromochloromethane	25	24.9	100	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	19.8	79	64-123
106-93-4	1,2-Dibromoethane	25	24.9	100	75-120
75-71-8	Dichlorodifluoromethane	25	30.8	123	42-167
95-50-1	1,2-Dichlorobenzene	25	27.6	110	82-124
541-73-1	1,3-Dichlorobenzene	25	29.4	118	84-125
106-46-7	1,4-Dichlorobenzene	25	27.4	110	78-120
75-34-3	1,1-Dichloroethane	25	27.5	110	81-122
107-06-2	1,2-Dichloroethane	25	24.2	97	75-125
75-35-4	1,1-Dichloroethylene	25	29.5	118	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.3	117	76-127
78-87-5	1,2-Dichloropropane	25	26.0	104	76-124
142-28-9	1,3-Dichloropropane	25	24.0	96	80-118
594-20-7	2,2-Dichloropropane	25	27.6	110	74-139
563-58-6	1,1-Dichloropropene	25	27.9	112	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	75-118
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	80-120
100-41-4	Ethylbenzene	25	26.8	107	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	26.4	106	75-142
591-78-6	2-Hexanone	125	110	88	61-129
98-82-8	Isopropylbenzene	25	27.0	108	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	26.3	105	59-143
74-87-3	Methyl Chloride	25	26.4	106	50-159
74-88-4	Methyl Iodide	25	28.4	114	73-123
74-95-3	Methylene Bromide	25	25.6	102	78-119
75-09-2	Methylene Chloride	25	25.0	100	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	108	86	66-122
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	72-117
91-20-3	Naphthalene	25	22.9	92	63-132
103-65-1	n-Propylbenzene	25	31.6	126	82-133
100-42-5	Styrene	25	28.7	115	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.6	110	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	72-120
127-18-4	Tetrachloroethylene	25	27.1	108	76-135
108-88-3	Toluene	25	27.5	110	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.0	96	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.0	100	73-129
71-55-6	1,1,1-Trichloroethane	25	25.9	104	75-130
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
79-01-6	Trichloroethylene	25	28.4	114	81-126
75-69-4	Trichlorofluoromethane	25	28.1	112	71-156
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-120
95-63-6	1,2,4-Trimethylbenzene	25	28.8	115	79-120
108-67-8	1,3,5-Trimethylbenzene	25	29.2	117	79-120
108-05-4	Vinyl Acetate	125	111	89	43-154
75-01-4	Vinyl Chloride	25	28.0	112	69-159
	m,p-Xylene	50	55.0	110	79-126
95-47-6	o-Xylene	25	28.3	113	80-127
1330-20-7	Xylene (total)	75	83.3	111	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	94.4	76	125	105	84	11	50-147/21
71-43-2	Benzene	1.0 U		25	27.8	111	25	27.5	110	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	28.3	113	25	28.1	112	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.7	107	25	26.2	105	2	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.6	106	25	24.8	99	7	79-123/19
75-25-2	Bromoform	1.0 U		25	21.1	84	25	19.8	79	6	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	92.3	74	125	98.3	79	6	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	28.8	115	25	28.5	114	1	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	31.7	127 [a]	25	31.3	125	1	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	27.8	111	25	28.2	113	1	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	26.5	106	25	25.0	100	6	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	28.0	112	25	25.7	103	9	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	27.6	110	25	27.2	109	1	82-124/14
75-00-3	Chloroethane	2.0 U		25	35.5	142 [a]	25	32.7	131	8	62-144/20
67-66-3	Chloroform	1.0 U		25	27.9	112	25	27.5	110	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	29.3	117	25	29.2	117	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	28.1	112	25	28.2	113	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	23.4	94	25	22.0	88	6	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	18.5	74	25	18.4	74	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	25.0	100	25	24.8	99	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	29.8	119	25	28.8	115	3	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	27.5	110	25	27.7	111	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	28.9	116	25	29.3	117	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	27.3	109	25	27.6	110	1	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.7	111	25	27.4	110	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	24.1	96	25	24.2	97	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.6	118	25	29.0	116	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.4	106	25	26.4	106	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.3	117	25	29.0	116	1	76-127/17
78-87-5	1,2-Dichloropropane	1.0 U		25	25.7	103	25	26.3	105	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.8	95	25	24.2	97	2	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	26.2	105	25	25.9	104	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.7	107	25	26.6	106	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.7	91	25	22.0	88	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.4	106	25	25.1	100	5	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	25	26.3	105	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	24.1	96	25	24.6	98	2	75-142/19
591-78-6	2-Hexanone	10 U		125	98.2	79	125	102	82	4	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.9	108	25	26.3	105	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.2	105	25	26.0	104	1	79-130/16
74-83-9	Methyl Bromide	2.0 U		25	30.0	120	25	28.1	112	7	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	27.1	108	25	25.8	103	5	50-159/19
74-88-4	Methyl Iodide	1.0 U		25	27.8	111	25	28.0	112	1	73-123/16
74-95-3	Methylene Bromide	2.0 U		25	25.7	103	25	25.8	103	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	23.4	94	25	23.2	93	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	103	82	125	109	87	6	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.3	93	25	23.5	94	1	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.4	90	25	23.5	94	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	31.6	126	25	31.5	126	0	82-133/15
100-42-5	Styrene	1.0 U		25	28.0	112	25	26.6	106	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	28.0	112	25	26.9	108	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.2	93	25	24.0	96	3	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	26.4	106	25	25.9	104	2	76-135/16
108-88-3	Toluene	1.0 U		25	27.2	109	25	26.9	108	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.3	93	25	25.1	100	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.0	96	25	25.5	102	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.4	106	25	25.7	103	3	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.0	100	25	25.7	103	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	29.0	116	25	29.7	119	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	31.0	124	25	28.7	115	8	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	22.9	92	25	24.1	96	5	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	28.7	115	25	28.5	114	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	28.8	115	25	28.3	113	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	104	83	125	106	85	2	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	30.8	123	25	28.7	115	7	69-159/18
	m,p-Xylene	2.0 U		50	55.2	110	50	53.2	106	4	79-126/15
95-47-6	o-Xylene	1.0 U		25	28.4	114	25	27.6	110	3	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	83.6	111	75	80.7	108	4	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44457-1, MC44457-2, MC44457-3, MC44457-4

CAS No.	Surrogate Recoveries	MS	MSD	MC44458-3	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	91%	79-125%
2037-26-5	Toluene-D8	98%	97%	104%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	104%	83-118%

(a) Outside DOD QSM control limits.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44457
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44457-1	J0974638.D	100	93	102	103
MC44457-2	J0974639.D	98	92	104	103
MC44457-3	J0974640.D	97	91	104	102
MC44457-4	J0974641.D	97	92	98	100
MC44458-3MS	J0974646.D	100	89	98	94
MC44458-3MSD	J0974647.D	101	89	97	95
VJ5218-BS	J0974627.D	101	91	100	97
VJ5218-MB	J0974626.D	95	92	101	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST — CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: 6595 2492 3255 | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44457

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1	G6M-04-04X		2/19/16	9:20:00 AM	KGA	AQ	1					x				X	
2	G6M-03-09X		2/19/16	11:10:00 AM	KGA	AQ	1					x				X	MA
3	G6M-04-09X		2/19/16	12:45:00 PM	KGA	AQ	1					x				X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/4/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ -- SO4 by 300

INITIAL ASESSMENT AM 3A
LABEL VERIFICATION JK

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 2-22-16	Received By: 1 FedEx	Relinquished By: 2 FX	Date Time: 930 2-23-16	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [ ] On Ice [ ] Cooler Temp. 2.3 2.1A

11.1 11

MC44457: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44457 **Client:** _____ **Project:** _____

Date / Time Received: 2/23/2016 9:30:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44457
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/19/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44457

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP95969/GN41724	2.0	0.0	mg/l	80	81.9	102.4	90-110%
Fluoride	GP95969/GN41724	0.20	0.0	mg/l	2	2.07	103.5	90-110%
Sulfate	GP95969/GN41724	10	0.0	mg/l	80	82.9	103.6	90-110%

Associated Samples:
Batch GP95969: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP95969/GN41724	JC14499-1	mg/l	70.8	70.5	0.4	0-20%
Fluoride	GP95969/GN41724	JC14499-1	mg/l	0.65	0.65	0.0	0-20%
Sulfate	GP95969/GN41724	JC14499-1	mg/l	88.8	88.4	0.5	0-20%

Associated Samples:
Batch GP95969: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44457
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP95969/GN41724	JC14499-1	mg/l	70.8	80	153	102.8	80-120%
Fluoride	GP95969/GN41724	JC14499-1	mg/l	0.65	2	2.8	107.5	80-120%
Sulfate	GP95969/GN41724	JC14499-1	mg/l	88.8	80	171	102.8	80-120%

Associated Samples:
Batch GP95969: MC44457-1, MC44457-2, MC44457-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

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e-Hardcopy 2.0
Automated Report

Technical Report for

H&S Environmental

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44478

Sampling Date: 02/22/16



Report to:

H&S Environmental
160 East Main Street
Westborough, MA 01581
lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: **89**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

H&S Environmental

Job No: MC44478

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44478-1	02/22/16	09:30	KGA	02/22/16	AQ	Ground Water	G6M-03-01X
MC44478-1F	02/22/16	09:30	KGA	02/22/16	AQ	Groundwater Filtered	G6M-03-01X
MC44478-2	02/22/16	12:30	KGA	02/22/16	AQ	Ground Water	G6M-13-02X
MC44478-2F	02/22/16	12:30	KGA	02/22/16	AQ	Groundwater Filtered	G6M-13-02X
MC44478-3	02/22/16	14:05	KGA	02/22/16	AQ	Ground Water	G6M-04-05X
MC44478-3F	02/22/16	14:05	KGA	02/22/16	AQ	Groundwater Filtered	G6M-04-05X
MC44478-4	02/22/16	07:45	KGA	02/22/16	AQ	Trip Blank Water	TB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: H&S Environmental **Job No** MC44478

Site: Fort Devens, AOC50, Devens, MA **Report Date** 3/4/2016 2:36:06 PM

3 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 02/22/2016 and were received at SGS Accutest New England on 02/22/2016 properly preserved, at 1.4 Deg. C and intact. These Samples received a job number of MC44478. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5218

- Analysis performed at Accutest Laboratories, Orlando FL.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1593

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44471-8MS, MC44471-8MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25867

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1FMS, MC44440-1FMSD, MC44440-1FSDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95850

- Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20153

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1DUP, MC44440-1MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38059

- MC44478-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38062

- MC44478-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R38063

- MC44478-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20144

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44478-2DUP, MC44478-2MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53184

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP, MC44524-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ **Batch ID:** GN53141

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1MS, MC44440-2DUP were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ **Batch ID:** GP20170

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44478-1MS, MC44478-1MSD were used as the QC samples for Total Organic Carbon.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC44478).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44478
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	3/3/2016 1:33:04 PM

On 02/23/2016, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44478 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95850

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14479-1DUP, JC14479-1MS were used as the QC samples for Sulfate.
- Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job No:** MC44478

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 3/2/2016 3:15:40 PM

3 Samples and 1 Trip Blank were collected on 02/22/2016 and were received at Accutest SE on 02/23/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of MC44478. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5218

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44458-3MS, MC44458-3MSD were used as the QC samples indicated.

MC44478-1 for Chloroethane: Associated ICV outside control limits.

MC44478-1 for Methyl Bromide: Associated ICV outside control limits.

MC44478-1 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44478-2 for Chloroethane: Associated ICV outside control limits.

MC44478-2 for Methyl Bromide: Associated ICV outside control limits.

MC44478-2 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44478-3 for Chloroethane: Associated ICV outside control limits.

MC44478-3 for Methyl Bromide: Associated ICV outside control limits.

MC44478-3 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

MC44478-4 for Chloroethane: Associated ICV outside control limits.

MC44478-4 for Methyl Bromide: Associated ICV outside control limits.

MC44478-4 for sec-Butylbenzene: Associated BS recovery outside DOD QSM control limits.

Matrix: AQ **Batch ID:** VJ5220

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC44452-12MS, MC44452-12MSD were used as the QC samples indicated.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Lovelie Metzgar, QA Officer (signature on file)

Date: March 2, 2016

Summary of Hits

Job Number: MC44478
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44478-1	**G6M-03-01X**					
1,1-Dichloroethylene [a]		1.1	1.0	0.50	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		86.7	2.0	1.0	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		1.9	1.0	0.50	ug/l	SW846 8260B
Toluene [a]		1.4	1.0	0.50	ug/l	SW846 8260B
Trichloroethylene [a]		80.5	1.0	0.50	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		0.53 J	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		50.6	1.0	0.50	ug/l	SW846 8260B
m,p-Xylene [a]		1.2 J	2.0	1.0	ug/l	SW846 8260B
Xylene (total) [a]		1.7 J	3.0	1.0	ug/l	SW846 8260B
Methane		16300	200	100	ug/l	RSK-175
Ethene		95.5	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		144	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.077 J	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.077 J	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		3.4 J	10	1.5	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		6.4	1.0	0.81	mg/l	SW846 9060
MC44478-1F	**G6M-03-01X**					
Arsenic		23.5	4.0	2.0	ug/l	SW846 6010C
Iron		20000	100	50	ug/l	SW846 6010C
Manganese		6330	75	38	ug/l	SW846 6010C
MC44478-2	**G6M-13-02X**					
cis-1,2-Dichloroethylene [a]		21.1	1.0	0.50	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		0.54 J	1.0	0.50	ug/l	SW846 8260B
Tetrachloroethylene [a]		85.8	2.0	1.0	ug/l	SW846 8260B
Trichloroethylene [a]		24.6	1.0	0.50	ug/l	SW846 8260B
Vinyl Chloride [a]		0.65 J	1.0	0.50	ug/l	SW846 8260B
Methane		3560	100	50	ug/l	RSK-175
Alkalinity, Total as CaCO3		56.4	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.28	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.28	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		15.9	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.81 J	1.0	0.81	mg/l	SW846 9060
MC44478-2F	**G6M-13-02X**					
Iron		83.8 J	100	50	ug/l	SW846 6010C
Manganese		14.0 J	15	7.5	ug/l	SW846 6010C

Summary of Hits

Job Number: MC44478
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44478-3	**G6M-04-05X**					
Methane		305	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		34.7	5.0	3.9	mg/l	SM21 2320B
Nitrogen, Nitrate [b]		0.11	0.11	0.057	mg/l	EPA 353.2
Nitrogen, Nitrate + Nitrite		0.11	0.10	0.054	mg/l	EPA 353.2
Sulfate [c]		26.8	10	0.50	mg/l	EPA 300/SW846 9056A
MC44478-3F	**G6M-04-05X**					
Manganese		21.9	15	7.5	ug/l	SW846 6010C
MC44478-4	**TB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974634.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2 [a]	J0974684.D	2	02/29/16	AFL	n/a	n/a	F:VJ5220

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	86.7 [d]	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-01X
Lab Sample ID: MC44478-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	80.5	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.53	1.0	0.50	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	50.6	1.0	0.50	ug/l	
	m,p-Xylene	1.2	2.0	1.0	ug/l	J
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.7	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%	90%	79-125%
2037-26-5	Toluene-D8	103%	102%	85-112%
460-00-4	4-Bromofluorobenzene	101%	98%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.
(d) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23352.D	1	02/23/16	DF	n/a	n/a	GBA1593
Run #2	BA23353.D	1	02/23/16	DF	n/a	n/a	GBA1593

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	10.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	16300 [a]	200	100	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	95.5	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-01X
Lab Sample ID: MC44478-1
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	144	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.077 J	0.11	0.057	mg/l	1	02/25/16 13:38	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.077 J	0.10	0.054	mg/l	1	02/25/16 13:38	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/23/16 17:09	EL	SM 21 4500 NO2 B
Sulfate [b]	3.4 J	10	1.5	mg/l	3	03/02/16 17:12	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	6.4	1.0	0.81	mg/l	1	03/02/16 22:26	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-01X		
Lab Sample ID:	MC44478-1F	**Date Sampled:**	02/22/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/22/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	23.5	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	20000	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	6330	75	38	ug/l	5	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-13-02X		
Lab Sample ID:	MC44478-2	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974635.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2 [a]	J0974685.D	2	02/29/16	AFL	n/a	n/a	F:VJ5220

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	21.1	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.54	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-02X
Lab Sample ID: MC44478-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	85.8 [d]	2.0	1.0	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	24.6	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.65	1.0	0.50	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-02X		
Lab Sample ID:	MC44478-2	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	90%	79-125%
2037-26-5	Toluene-D8	103%	100%	85-112%
460-00-4	4-Bromofluorobenzene	103%	99%	83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.
(d) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-13-02X		
Lab Sample ID:	MC44478-2	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23354.D	1	02/23/16	DF	n/a	n/a	GBA1593
Run #2	BA23355.D	1	02/23/16	DF	n/a	n/a	GBA1593

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2	37.0 ml	5.0 ml	20.0 ul	23 Deg. C

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	3560 [a]	100	50	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-13-02X
Lab Sample ID: MC44478-2
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	56.4	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.28	0.11	0.057	mg/l	1	02/25/16 13:39	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.28	0.10	0.054	mg/l	1	02/25/16 13:39	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/23/16 17:09	EL	SM 21 4500 NO2 B
Sulfate [b]	15.9	10	0.50	mg/l	1	03/02/16 17:37	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 J	1.0	0.81	mg/l	1	03/02/16 22:42	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID: G6M-13-02X
Lab Sample ID: MC44478-2F
Matrix: AQ - Groundwater Filtered
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	83.8 J	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	14.0 J	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974636.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-05X
Lab Sample ID: MC44478-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3	**Date Sampled:**	02/22/16
Matrix:	AQ - Ground Water	**Date Received:**	02/22/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23356.D	1	02/23/16	DF	n/a	n/a	GBA1593
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	305	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-04-05X
Lab Sample ID: MC44478-3
Matrix: AQ - Ground Water
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	34.7	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.11	0.11	0.057	mg/l	1	02/25/16 13:41	EL	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	0.054	mg/l	1	02/25/16 13:41	EL	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/23/16 17:09	EL	SM 21 4500 NO2 B
Sulfate [b]	26.8	10	0.50	mg/l	1	03/02/16 18:03	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	02/24/16	BF	SM21 4500 S F
Total Organic Carbon	0.81 U	1.0	0.81	mg/l	1	03/02/16 23:00	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-04-05X		
Lab Sample ID:	MC44478-3F	**Date Sampled:**	02/22/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/22/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	50 U	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	21.9	15	7.5	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44478-4	**Date Sampled:**	02/22/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974637.D	1	02/26/16	AFL	n/a	n/a	F:VJ5218
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene [b]	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane [c]	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB
Lab Sample ID: MC44478-4
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/22/16
Date Received: 02/22/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide [c]	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44478-4	**Date Sampled:**	02/22/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/22/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Associated BS recovery outside DOD QSM control limits.
(c) Associated ICV outside control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #: MC44478

Client Information

Name: H&S Environmental
Address: 160 East Main Street, Suite 2F
City: Westborough State: MA Zip: 01581
Send Report to: Laurie Ekes (lekes@hsenv.com)
Phone #: (508)367-7190

Facility Information

Project Name: Devens
Location: AOC50 February 2016
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: VOC	NaOH	HNO3	H2SO4	None	VOCs (3-40ml VOA vials/HCl)	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P HNO3 (pH<2)	Dissolved Gases (3-40ml VOA/HCl) RSK175	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)
-1F MM-03-01X	2/12/16	930	VGA	WG	11 13	78	1	1	1	1	X	X	X	X	X	X	X
-2F MM-13-02X	2/12/16	1230	VGA	WG	11 13	78	1	1	1	1	X	X	X	X	X	X	X
-3F MM-04-05X	2/12/16	1405	VGA	WG	11 13	78	1	1	1	1	X	X	X	X	X	X	X
~~MM-04-05X~~			~~VGA~~	~~WG~~	~~13~~	~~9~~	~~1~~	~~1~~	~~1~~	~~1~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~
-4 TB	2/12/16	745	VGA	DI	2	2					X						

Turnaround Information

- [X] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [X] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

INITIAL ASESSMENT LA 5E, 11B 3K4

LABEL VERIFICATION WT/apr

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	2/12/16 1545	1 2/12/16 1545	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved	On Ice:
5		5		☐	☑ 1.4°C

MC44478: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC44478 **Client:** H&S **Project:** DEVENS

Date / Time Received: 2/22/2016 3:45:00 PM **Delivery Method:** CLIENT **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (1.4/1.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: H&S Environmental
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25867	SW846 6010C						
MP25867-B1	7440-38-2	Arsenic	BSP	REC	103.2	%	87-113
MP25867-B1	7439-89-6	Iron	BSP	REC	101	%	87-115
MP25867-B1	7439-96-5	Manganese	BSP	REC	105.4	%	90-114
MP25867-S1*	7440-38-2	Arsenic	MS	REC	107.1	%	87-113
MP25867-S1*	7439-89-6	Iron	MS	REC	107	%	87-115
MP25867-S1*	7439-96-5	Manganese	MS	REC	110	%	90-114
MP25867-S2*	7440-38-2	Arsenic	MSD	REC	107.9	%	87-113
MP25867-S2*	7440-38-2	Arsenic	MSD	RPD	.7	%	20
MP25867-S2*	7439-89-6	Iron	MSD	REC	107	%	87-115
MP25867-S2*	7439-89-6	Iron	MSD	RPD	0	%	20
MP25867-S2*	7439-96-5	Manganese	MSD	REC	104	%	90-114
MP25867-S2*	7439-96-5	Manganese	MSD	RPD	.4	%	20

* Sample used for QC is not from job MC44478

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44478
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1593-MB	BA23336.D	1	02/23/16	DF	n/a	n/a	GBA1593

The QC reported here applies to the following samples: **Method:** RSK-175

MC44478-1, MC44478-2, MC44478-3

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44478
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1593-BSP	BA23337.D	1	02/23/16	DF	n/a	n/a	GBA1593

The QC reported here applies to the following samples: **Method:** RSK-175

MC44478-1, MC44478-2, MC44478-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	83.2	94	50-150
74-84-0	Ethane	166	165	99	50-150
74-85-1	Ethene	155	176	114	50-150

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: HSMAW H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44471-8MS	BA23339.D	1	02/23/16	DF	n/a	n/a	GBA1593
MC44471-8MSD	BA23340.D	1	02/23/16	DF	n/a	n/a	GBA1593
MC44471-8	BA23338.D	1	02/23/16	DF	n/a	n/a	GBA1593

The QC reported here applies to the following samples: **Method:** RSK-175

MC44478-1, MC44478-2, MC44478-3

CAS No.	Compound	MC44471-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	10 U		88.7	88.0	99	88.7	84.6	95	4	50-150/30
74-84-0	Ethane	10 U		166	163	98	166	167	101	2	50-150/30
74-85-1	Ethene	10 U		155	173	112	155	176	114	2	50-150/30

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.40	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	4.3	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.30	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	75.5	611	500	107.1	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	16400	27100	10000	107.0	75-125
Lead					
Lithium					
Magnesium					
Manganese	7460	8010	500	110.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	75.5	615	500	107.9	0.7	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	16400	27100	10000	107.0	0.0	20
Lead						
Lithium						
Magnesium						
Manganese	7460	7980	500	104.0	0.4	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	516	500	103.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	10100	10000	101.0	80-120
Lead				
Lithium				
Magnesium				
Manganese	527	500	105.4	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	75.5	81.4	7.8	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	16400	16900	3.1	0-10
Lead				
Lithium				
Magnesium				
Manganese	7460	7370	1.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25867: MC44478-1F, MC44478-2F, MC44478-3F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53184	5.0	0.0	mg/l	250	259	103.6	80-120%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	0.10	0.048	mg/l	2	2.05	102.5	90-110%
Nitrogen, Nitrite	GP20144/GN53130	0.010	0.0	mg/l	0.02	0.020	100.0	80-120%
Sulfide	GN53141	2.0	0.0	mg/l	12.2	12.2	100.0	80-120%
Total Organic Carbon	GP20170/GN53193	1.0	0.0	mg/l	10	9.59	95.9	80-120%

Associated Samples:
Batch GN53141: MC44478-1, MC44478-2, MC44478-3
Batch GN53184: MC44478-1, MC44478-2, MC44478-3
Batch GP20144: MC44478-1, MC44478-2, MC44478-3
Batch GP20153: MC44478-1, MC44478-2, MC44478-3
Batch GP20170: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	157	1.3	0-20%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	0.076	13.5	0-20%
Nitrogen, Nitrite	GP20144/GN53130	MC44478-2	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53141	MC44440-2	mg/l	0.34 U	0.0	0.0	0-20%

Associated Samples:
Batch GN53141: MC44478-1, MC44478-2, MC44478-3
Batch GN53184: MC44478-1, MC44478-2, MC44478-3
Batch GP20144: MC44478-1, MC44478-2, MC44478-3
Batch GP20153: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	250	406	100.4	75-125%
Nitrogen, Nitrate + Nitrite	GP20153/GN53146	MC44440-1	mg/l	0.087	2	2.0	95.7	90-110%
Nitrogen, Nitrite	GP20144/GN53130	MC44478-2	mg/l	0.0011 U	0.02	0.020	100.0	75-125%
Sulfide	GN53141	MC44440-1	mg/l	0.34 U	12.2	11.8	96.7	75-125%
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	16.4	100.0	75-125%

Associated Samples:
Batch GN53141: MC44478-1, MC44478-2, MC44478-3
Batch GN53184: MC44478-1, MC44478-2, MC44478-3
Batch GP20144: MC44478-1, MC44478-2, MC44478-3
Batch GP20153: MC44478-1, MC44478-2, MC44478-3
Batch GP20170: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: HSMAW - H&S Environmental
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	15.8	3.7	20%

Associated Samples:
Batch GP20170: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44478

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD_VMS+8260C_VMS+MTBE_
1	G6M-03-01X		2/22/16	9:30:00 AM	KGA	AQ	2	x								X
2	G6M-13-02X		2/22/16	12:30:00 PM	KGA	AQ	2	x								X
3	G6M-04-05X		2/22/16	2:05:00 PM	KGA	AQ	2	x								X
4	TB		2/22/16	7:45:00 AM	KGA	AQ	2	x								X

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

LAB USE ONLY

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/3/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE -- DOD
*Need 8260C Method
**See attached note in regards to vials submitted.

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		2/24/16	Fedex	FX	2-23-16	J. Coppel (ALSE) 13:20
2						
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp. 3.4

9.1
9

MC44478: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC 44478 CLIENT: ALNE PROJECT: Fort Devens

DATE/TIME RECEIVED: 2-23-16 13:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:_____

AIRBILL NUMBERS: 6595 2492 3277

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:_____

TECHNICIAN SIGNATURE/DATE C 2-23-16 REVIEWER SIGNATURE/DATE 2/23/16

NF 11/15 receipt confirmation 111015.xls

9.1

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MC44478: Chain of Custody
Page 2 of 3



ORIGIN ID:BBFA (508) 481-6200
SAMPLE MANAGEMENT
SGS ACCUTEST LABORATORIES
50 D'ANGELO DR.
495 TECH CENTER W., BUILDING 1
MARLBOROUGH, MA 01752
UNITED STATES US

SHIP DATE: 22FEB16
ACTWGT: 8.0 LB MAN
CAD: 0990801/CAFE2915

BILL SENDER

TO SAMPLE MANAGEMENT
SGS ACCUTEST SOUTHEAST
4405 VINELAND RD
SUITE C-15
ORLANDO FL 328115803
(407) 425-6700 REF:
INV:
PO: DEPT:

FedEx Express

TUE - 23 FEB 3:00P
STANDARD OVERNIGHT

TRK# 0201 6595 2492 3277

XH TIXA

32811
FL-US MCO

Part # 156148-434 RIT2 07/14

9.1

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MC44478: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218	SW846 8260B						
VJ5218-BS	67-64-1	Acetone	BSP	REC	100	%	39-160
VJ5218-BS	71-43-2	Benzene	BSP	REC	110	%	79-120
VJ5218-BS	108-86-1	Bromobenzene	BSP	REC	111	%	80-120
VJ5218-BS	74-97-5	Bromochloromethane	BSP	REC	104	%	78-123
VJ5218-BS	75-27-4	Bromodichloromethane	BSP	REC	107	%	79-125
VJ5218-BS	75-25-2	Bromoform	BSP	REC	94	%	66-130
VJ5218-BS	78-93-3	2-Butanone (MEK)	BSP	REC	87	%	56-143
VJ5218-BS	104-51-8	n-Butylbenzene	BSP	REC	118	%	75-128
VJ5218-BS	135-98-8	sec-Butylbenzene	BSP	REC	127	%	77-126
VJ5218-BS	98-06-6	tert-Butylbenzene	BSP	REC	114	%	78-124
VJ5218-BS	75-15-0	Carbon Disulfide	BSP	REC	118	%	64-133
VJ5218-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VJ5218-BS	108-90-7	Chlorobenzene	BSP	REC	109	%	82-118
VJ5218-BS	75-00-3	Chloroethane	BSP	REC	128	%	60-138
VJ5218-BS	67-66-3	Chloroform	BSP	REC	110	%	79-124
VJ5218-BS	95-49-8	o-Chlorotoluene	BSP	REC	115	%	79-122
VJ5218-BS	106-43-4	p-Chlorotoluene	BSP	REC	112	%	78-122
VJ5218-BS	124-48-1	Dibromochloromethane	BSP	REC	100	%	74-126
VJ5218-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	79	%	62-128
VJ5218-BS	106-93-4	1,2-Dibromoethane	BSP	REC	100	%	77-121
VJ5218-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	123	%	32-152
VJ5218-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	110	%	80-119
VJ5218-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	118	%	80-119
VJ5218-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	110	%	79-118
VJ5218-BS	75-34-3	1,1-Dichloroethane	BSP	REC	110	%	77-125
VJ5218-BS	107-06-2	1,2-Dichloroethane	BSP	REC	97	%	73-128
VJ5218-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
VJ5218-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	103	%	78-123
VJ5218-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	117	%	75-124
VJ5218-BS	78-87-5	1,2-Dichloropropane	BSP	REC	104	%	78-122
VJ5218-BS	142-28-9	1,3-Dichloropropane	BSP	REC	96	%	80-119
VJ5218-BS	594-20-7	2,2-Dichloropropane	BSP	REC	110	%	60-139
VJ5218-BS	563-58-6	1,1-Dichloropropene	BSP	REC	112	%	79-125
VJ5218-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	99	%	75-124
VJ5218-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	112	%	73-127
VJ5218-BS	100-41-4	Ethylbenzene	BSP	REC	107	%	79-121
VJ5218-BS	87-68-3	Hexachlorobutadiene	BSP	REC	106	%	66-134
VJ5218-BS	591-78-6	2-Hexanone	BSP	REC	88	%	57-139
VJ5218-BS	98-82-8	Isopropylbenzene	BSP	REC	108	%	72-131
VJ5218-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
VJ5218-BS	74-83-9	Methyl Bromide	BSP	REC	105	%	53-141
VJ5218-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5218-BS	74-88-4	Methyl Iodide	BSP	REC	114	%	69-131
VJ5218-BS	74-95-3	Methylene Bromide	BSP	REC	102	%	79-123
VJ5218-BS	75-09-2	Methylene Chloride	BSP	REC	100	%	74-124
VJ5218-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	86	%	67-130
VJ5218-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	91	%	71-124
VJ5218-BS	91-20-3	Naphthalene	BSP	REC	92	%	61-128
VJ5218-BS	103-65-1	n-Propylbenzene	BSP	REC	126	%	76-126
VJ5218-BS	100-42-5	Styrene	BSP	REC	115	%	78-123
VJ5218-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	110	%	78-124
VJ5218-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	90	%	71-121
VJ5218-BS	127-18-4	Tetrachloroethylene	BSP	REC	108	%	74-129
VJ5218-BS	108-88-3	Toluene	BSP	REC	110	%	80-121
VJ5218-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	96	%	69-129
VJ5218-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	69-130
VJ5218-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	104	%	74-131
VJ5218-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	99	%	80-119
VJ5218-BS	79-01-6	Trichloroethylene	BSP	REC	114	%	79-123
VJ5218-BS	75-69-4	Trichlorofluoromethane	BSP	REC	112	%	65-141
VJ5218-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	90	%	73-122
VJ5218-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	115	%	76-124
VJ5218-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	117	%	75-124
VJ5218-BS	108-05-4	Vinyl Acetate	BSP	REC	89	%	54-146
VJ5218-BS	75-01-4	Vinyl Chloride	BSP	REC	112	%	58-137
VJ5218-BS		m,p-Xylene	BSP	REC	110	%	80-121
VJ5218-BS	95-47-6	o-Xylene	BSP	REC	113	%	78-122
VJ5218-BS	1330-20-7	Xylene (total)	BSP	REC	111	%	79-121
VJ5218-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5218-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	91	%	81-118
VJ5218-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VJ5218-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
MC44458-3MS*	67-64-1	Acetone	MS	REC	76	%	39-160
MC44458-3MS*	71-43-2	Benzene	MS	REC	111	%	79-120
MC44458-3MS*	108-86-1	Bromobenzene	MS	REC	113	%	80-120
MC44458-3MS*	74-97-5	Bromochloromethane	MS	REC	107	%	78-123
MC44458-3MS*	75-27-4	Bromodichloromethane	MS	REC	106	%	79-125
MC44458-3MS*	75-25-2	Bromoform	MS	REC	84	%	66-130
MC44458-3MS*	78-93-3	2-Butanone (MEK)	MS	REC	74	%	56-143
MC44458-3MS*	104-51-8	n-Butylbenzene	MS	REC	115	%	75-128
MC44458-3MS*	135-98-8	sec-Butylbenzene	MS	REC	127	%	77-126
MC44458-3MS*	98-06-6	tert-Butylbenzene	MS	REC	111	%	78-124
MC44458-3MS*	75-15-0	Carbon Disulfide	MS	REC	106	%	64-133
MC44458-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	112	%	72-136
MC44458-3MS*	108-90-7	Chlorobenzene	MS	REC	110	%	82-118
MC44458-3MS*	75-00-3	Chloroethane	MS	REC	142	%	60-138
MC44458-3MS*	67-66-3	Chloroform	MS	REC	112	%	79-124

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	95-49-8	o-Chlorotoluene	MS	REC	117	%	79-122
MC44458-3MS*	106-43-4	p-Chlorotoluene	MS	REC	112	%	78-122
MC44458-3MS*	124-48-1	Dibromochloromethane	MS	REC	94	%	74-126
MC44458-3MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	74	%	62-128
MC44458-3MS*	106-93-4	1,2-Dibromoethane	MS	REC	100	%	77-121
MC44458-3MS*	75-71-8	Dichlorodifluoromethane	MS	REC	119	%	32-152
MC44458-3MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	110	%	80-119
MC44458-3MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	116	%	80-119
MC44458-3MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	109	%	79-118
MC44458-3MS*	75-34-3	1,1-Dichloroethane	MS	REC	111	%	77-125
MC44458-3MS*	107-06-2	1,2-Dichloroethane	MS	REC	96	%	73-128
MC44458-3MS*	75-35-4	1,1-Dichloroethylene	MS	REC	118	%	71-131
MC44458-3MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	106	%	78-123
MC44458-3MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
MC44458-3MS*	78-87-5	1,2-Dichloropropane	MS	REC	103	%	78-122
MC44458-3MS*	142-28-9	1,3-Dichloropropane	MS	REC	95	%	80-119
MC44458-3MS*	594-20-7	2,2-Dichloropropane	MS	REC	105	%	60-139
MC44458-3MS*	563-58-6	1,1-Dichloropropene	MS	REC	107	%	79-125
MC44458-3MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	91	%	75-124
MC44458-3MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	106	%	73-127
MC44458-3MS*	100-41-4	Ethylbenzene	MS	REC	107	%	79-121
MC44458-3MS*	87-68-3	Hexachlorobutadiene	MS	REC	96	%	66-134
MC44458-3MS*	591-78-6	2-Hexanone	MS	REC	79	%	57-139
MC44458-3MS*	98-82-8	Isopropylbenzene	MS	REC	108	%	72-131
MC44458-3MS*	99-87-6	p-Isopropyltoluene	MS	REC	105	%	77-127
MC44458-3MS*	74-83-9	Methyl Bromide	MS	REC	120	%	53-141
MC44458-3MS*	74-87-3	Methyl Chloride	MS	REC	108	%	50-139
MC44458-3MS*	74-88-4	Methyl Iodide	MS	REC	111	%	69-131
MC44458-3MS*	74-95-3	Methylene Bromide	MS	REC	103	%	79-123
MC44458-3MS*	75-09-2	Methylene Chloride	MS	REC	94	%	74-124
MC44458-3MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	82	%	67-130
MC44458-3MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	93	%	71-124
MC44458-3MS*	91-20-3	Naphthalene	MS	REC	90	%	61-128
MC44458-3MS*	103-65-1	n-Propylbenzene	MS	REC	126	%	76-126
MC44458-3MS*	100-42-5	Styrene	MS	REC	112	%	78-123
MC44458-3MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	112	%	78-124
MC44458-3MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	93	%	71-121
MC44458-3MS*	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
MC44458-3MS*	108-88-3	Toluene	MS	REC	109	%	80-121
MC44458-3MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	93	%	69-129
MC44458-3MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
MC44458-3MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	106	%	74-131
MC44458-3MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	100	%	80-119
MC44458-3MS*	79-01-6	Trichloroethylene	MS	REC	116	%	79-123
MC44458-3MS*	75-69-4	Trichlorofluoromethane	MS	REC	124	%	65-141

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
MC44458-3MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	115	%	76-124
MC44458-3MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	115	%	75-124
MC44458-3MS*	108-05-4	Vinyl Acetate	MS	REC	83	%	54-146
MC44458-3MS*	75-01-4	Vinyl Chloride	MS	REC	123	%	58-137
MC44458-3MS*		m,p-Xylene	MS	REC	110	%	80-121
MC44458-3MS*	95-47-6	o-Xylene	MS	REC	114	%	78-122
MC44458-3MS*	1330-20-7	Xylene (total)	MS	REC	111	%	79-121
MC44458-3MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
MC44458-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	89	%	81-118
MC44458-3MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
MC44458-3MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
MC44458-3MSD*	67-64-1	Acetone	MSD	REC	84	%	39-160
MC44458-3MSD*	67-64-1	Acetone	MSD	RPD	11	%	20
MC44458-3MSD*	71-43-2	Benzene	MSD	REC	110	%	79-120
MC44458-3MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	REC	112	%	80-120
MC44458-3MSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	REC	105	%	78-123
MC44458-3MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	REC	99	%	79-125
MC44458-3MSD*	75-27-4	Bromodichloromethane	MSD	RPD	7	%	20
MC44458-3MSD*	75-25-2	Bromoform	MSD	REC	79	%	66-130
MC44458-3MSD*	75-25-2	Bromoform	MSD	RPD	6	%	20
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	79	%	56-143
MC44458-3MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	6	%	20
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	REC	114	%	75-128
MC44458-3MSD*	104-51-8	n-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	REC	125	%	77-126
MC44458-3MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	REC	113	%	78-124
MC44458-3MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	REC	100	%	64-133
MC44458-3MSD*	75-15-0	Carbon Disulfide	MSD	RPD	6	%	20
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	103	%	72-136
MC44458-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	9	%	20
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	REC	109	%	82-118
MC44458-3MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-00-3	Chloroethane	MSD	REC	131	%	60-138
MC44458-3MSD*	75-00-3	Chloroethane	MSD	RPD	8	%	20
MC44458-3MSD*	67-66-3	Chloroform	MSD	REC	110	%	79-124
MC44458-3MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	REC	117	%	79-122
MC44458-3MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	REC	113	%	78-122

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	REC	88	%	74-126
MC44458-3MSD*	124-48-1	Dibromochloromethane	MSD	RPD	6	%	20
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	74	%	62-128
MC44458-3MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	99	%	77-121
MC44458-3MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	115	%	32-152
MC44458-3MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	3	%	20
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	111	%	80-119
MC44458-3MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	117	%	80-119
MC44458-3MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	110	%	79-118
MC44458-3MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	110	%	77-125
MC44458-3MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	97	%	73-128
MC44458-3MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	116	%	71-131
MC44458-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
MC44458-3MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	0	%	20
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	116	%	75-124
MC44458-3MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	105	%	78-122
MC44458-3MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	97	%	80-119
MC44458-3MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	2	%	20
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	104	%	60-139
MC44458-3MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	106	%	79-125
MC44458-3MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	88	%	75-124
MC44458-3MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	100	%	73-127
MC44458-3MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	REC	105	%	79-121
MC44458-3MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	98	%	66-134
MC44458-3MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	2	%	20
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	REC	82	%	57-139
MC44458-3MSD*	591-78-6	2-Hexanone	MSD	RPD	4	%	20
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	REC	105	%	72-131
MC44458-3MSD*	98-82-8	Isopropylbenzene	MSD	RPD	2	%	20

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	104	%	77-127
MC44458-3MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	REC	112	%	53-141
MC44458-3MSD*	74-83-9	Methyl Bromide	MSD	RPD	7	%	20
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	REC	103	%	50-139
MC44458-3MSD*	74-87-3	Methyl Chloride	MSD	RPD	5	%	20
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	REC	112	%	69-131
MC44458-3MSD*	74-88-4	Methyl Iodide	MSD	RPD	1	%	20
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
MC44458-3MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	REC	93	%	74-124
MC44458-3MSD*	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	87	%	67-130
MC44458-3MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	6	%	20
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	94	%	71-124
MC44458-3MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
MC44458-3MSD*	91-20-3	Naphthalene	MSD	REC	94	%	61-128
MC44458-3MSD*	91-20-3	Naphthalene	MSD	RPD	5	%	20
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	REC	126	%	76-126
MC44458-3MSD*	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
MC44458-3MSD*	100-42-5	Styrene	MSD	REC	106	%	78-123
MC44458-3MSD*	100-42-5	Styrene	MSD	RPD	5	%	20
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	108	%	78-124
MC44458-3MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	4	%	20
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
MC44458-3MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	REC	104	%	74-129
MC44458-3MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	108-88-3	Toluene	MSD	REC	108	%	80-121
MC44458-3MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	100	%	69-129
MC44458-3MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	102	%	69-130
MC44458-3MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	103	%	74-131
MC44458-3MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	103	%	80-119
MC44458-3MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	REC	119	%	79-123
MC44458-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	115	%	65-141
MC44458-3MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	8	%	20
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	96	%	73-122
MC44458-3MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	5	%	20
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	114	%	76-124

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC44458-3MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	113	%	75-124
MC44458-3MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	REC	85	%	54-146
MC44458-3MSD*	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	REC	115	%	58-137
MC44458-3MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
MC44458-3MSD*		m,p-Xylene	MSD	REC	106	%	80-121
MC44458-3MSD*		m,p-Xylene	MSD	RPD	4	%	20
MC44458-3MSD*	95-47-6	o-Xylene	MSD	REC	110	%	78-122
MC44458-3MSD*	95-47-6	o-Xylene	MSD	RPD	3	%	20
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	REC	108	%	79-121
MC44458-3MSD*	1330-20-7	Xylene (total)	MSD	RPD	4	%	20
MC44458-3MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
MC44458-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	89	%	81-118
MC44458-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
MC44458-3MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5218-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
VJ5218-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	92	%	81-118
VJ5218-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5218-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	101	%	85-114
MC44478-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
MC44478-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44478-1	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44478-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
MC44478-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44478-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	92	%	81-118
MC44478-2	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
MC44478-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44478-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
MC44478-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44478-3	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44478-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
MC44478-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44478-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44478-4	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
MC44478-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
VJ5220	SW846 8260B						
VJ5220-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	100	%	78-123
VJ5220-BS	127-18-4	Tetrachloroethylene	BSP	REC	103	%	74-129
VJ5220-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5220-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VJ5220-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112

* Sample used for QC is not from job MC44478

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5220-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
MC44452-12MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	108	%	78-123
MC44452-12MS*	127-18-4	Tetrachloroethylene	MS	REC	108	%	74-129
MC44452-12MS*	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
MC44452-12MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	93	%	81-118
MC44452-12MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
MC44452-12MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
MC44452-12MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	106	%	78-123
MC44452-12MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
MC44452-12MSD*	127-18-4	Tetrachloroethylene	MSD	REC	106	%	74-129
MC44452-12MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
MC44452-12MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
MC44452-12MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	92	%	81-118
MC44452-12MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
MC44452-12MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5220-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119
VJ5220-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	92	%	81-118
VJ5220-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5220-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
MC44478-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	80-119
MC44478-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	90	%	81-118
MC44478-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
MC44478-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
MC44478-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
MC44478-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	90	%	81-118
MC44478-2	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
MC44478-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114

* Sample used for QC is not from job MC44478

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-MB	J0974626.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Method Blank Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5220-MB	J0974682.D	1	02/29/16	DP	n/a	n/a	VJ5220

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	125	100	50-147
71-43-2	Benzene	25	27.4	110	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.9	104	76-123
75-27-4	Bromodichloromethane	25	26.7	107	79-123
75-25-2	Bromoform	25	23.5	94	66-123
78-93-3	2-Butanone (MEK)	125	109	87	56-143
104-51-8	n-Butylbenzene	25	29.4	118	79-126
135-98-8	sec-Butylbenzene	25	31.7	127	83-133
98-06-6	tert-Butylbenzene	25	28.4	114	80-133
75-15-0	Carbon Disulfide	25	29.6	118	66-148
56-23-5	Carbon Tetrachloride	25	27.9	112	76-136
108-90-7	Chlorobenzene	25	27.2	109	82-124
75-00-3	Chloroethane	25	31.9	128	62-144
67-66-3	Chloroform	25	27.5	110	80-124
95-49-8	o-Chlorotoluene	25	28.8	115	81-127
106-43-4	p-Chlorotoluene	25	28.1	112	83-130
124-48-1	Dibromochloromethane	25	24.9	100	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	19.8	79	64-123
106-93-4	1,2-Dibromoethane	25	24.9	100	75-120
75-71-8	Dichlorodifluoromethane	25	30.8	123	42-167
95-50-1	1,2-Dichlorobenzene	25	27.6	110	82-124
541-73-1	1,3-Dichlorobenzene	25	29.4	118	84-125
106-46-7	1,4-Dichlorobenzene	25	27.4	110	78-120
75-34-3	1,1-Dichloroethane	25	27.5	110	81-122
107-06-2	1,2-Dichloroethane	25	24.2	97	75-125
75-35-4	1,1-Dichloroethylene	25	29.5	118	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.3	117	76-127
78-87-5	1,2-Dichloropropane	25	26.0	104	76-124
142-28-9	1,3-Dichloropropane	25	24.0	96	80-118
594-20-7	2,2-Dichloropropane	25	27.6	110	74-139
563-58-6	1,1-Dichloropropene	25	27.9	112	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	75-118
10061-02-6	trans-1,3-Dichloropropene	25	28.1	112	80-120
100-41-4	Ethylbenzene	25	26.8	107	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	26.4	106	75-142
591-78-6	2-Hexanone	125	110	88	61-129
98-82-8	Isopropylbenzene	25	27.0	108	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	26.3	105	59-143
74-87-3	Methyl Chloride	25	26.4	106	50-159
74-88-4	Methyl Iodide	25	28.4	114	73-123
74-95-3	Methylene Bromide	25	25.6	102	78-119
75-09-2	Methylene Chloride	25	25.0	100	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	108	86	66-122
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	72-117
91-20-3	Naphthalene	25	22.9	92	63-132
103-65-1	n-Propylbenzene	25	31.6	126	82-133
100-42-5	Styrene	25	28.7	115	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.6	110	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	72-120
127-18-4	Tetrachloroethylene	25	27.1	108	76-135
108-88-3	Toluene	25	27.5	110	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.0	96	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.0	100	73-129
71-55-6	1,1,1-Trichloroethane	25	25.9	104	75-130
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
79-01-6	Trichloroethylene	25	28.4	114	81-126
75-69-4	Trichlorofluoromethane	25	28.1	112	71-156
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-120
95-63-6	1,2,4-Trimethylbenzene	25	28.8	115	79-120
108-67-8	1,3,5-Trimethylbenzene	25	29.2	117	79-120
108-05-4	Vinyl Acetate	125	111	89	43-154
75-01-4	Vinyl Chloride	25	28.0	112	69-159
	m,p-Xylene	50	55.0	110	79-126
95-47-6	o-Xylene	25	28.3	113	80-127
1330-20-7	Xylene (total)	75	83.3	111	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5218-BS	J0974627.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5220-BS	J0974683.D	1	02/29/16	DP	n/a	n/a	VJ5220

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	78-120
127-18-4	Tetrachloroethylene	25	25.8	103	76-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	94.4	76	125	105	84	11	50-147/21
71-43-2	Benzene	1.0 U		25	27.8	111	25	27.5	110	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	28.3	113	25	28.1	112	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.7	107	25	26.2	105	2	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.6	106	25	24.8	99	7	79-123/19
75-25-2	Bromoform	1.0 U		25	21.1	84	25	19.8	79	6	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	92.3	74	125	98.3	79	6	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	28.8	115	25	28.5	114	1	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	31.7	127	25	31.3	125	1	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	27.8	111	25	28.2	113	1	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	26.5	106	25	25.0	100	6	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	28.0	112	25	25.7	103	9	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	27.6	110	25	27.2	109	1	82-124/14
75-00-3	Chloroethane	2.0 U		25	35.5	142	25	32.7	131	8	62-144/20
67-66-3	Chloroform	1.0 U		25	27.9	112	25	27.5	110	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	29.3	117	25	29.2	117	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	28.1	112	25	28.2	113	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	23.4	94	25	22.0	88	6	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	18.5	74	25	18.4	74	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	25.0	100	25	24.8	99	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	29.8	119	25	28.8	115	3	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	27.5	110	25	27.7	111	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	28.9	116	25	29.3	117	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	27.3	109	25	27.6	110	1	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.7	111	25	27.4	110	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	24.1	96	25	24.2	97	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.6	118	25	29.0	116	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.4	106	25	26.4	106	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.3	117	25	29.0	116	1	76-127/17
78-87-5	1,2-Dichloropropane	1.0 U		25	25.7	103	25	26.3	105	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.8	95	25	24.2	97	2	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	26.2	105	25	25.9	104	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.7	107	25	26.6	106	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.7	91	25	22.0	88	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.4	106	25	25.1	100	5	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	25	26.3	105	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Compound	MC44458-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	24.1	96	25	24.6	98	2	75-142/19
591-78-6	2-Hexanone	10 U		125	98.2	79	125	102	82	4	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.9	108	25	26.3	105	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.2	105	25	26.0	104	1	79-130/16
74-83-9	Methyl Bromide	2.0 U		25	30.0	120	25	28.1	112	7	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	27.1	108	25	25.8	103	5	50-159/19
74-88-4	Methyl Iodide	1.0 U		25	27.8	111	25	28.0	112	1	73-123/16
74-95-3	Methylene Bromide	2.0 U		25	25.7	103	25	25.8	103	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	23.4	94	25	23.2	93	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	103	82	125	109	87	6	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.3	93	25	23.5	94	1	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.4	90	25	23.5	94	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	31.6	126	25	31.5	126	0	82-133/15
100-42-5	Styrene	1.0 U		25	28.0	112	25	26.6	106	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	28.0	112	25	26.9	108	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.2	93	25	24.0	96	3	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	26.4	106	25	25.9	104	2	76-135/16
108-88-3	Toluene	1.0 U		25	27.2	109	25	26.9	108	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.3	93	25	25.1	100	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	24.0	96	25	25.5	102	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.4	106	25	25.7	103	3	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.0	100	25	25.7	103	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	29.0	116	25	29.7	119	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	31.0	124	25	28.7	115	8	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	22.9	92	25	24.1	96	5	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	28.7	115	25	28.5	114	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	28.8	115	25	28.3	113	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	104	83	125	106	85	2	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	30.8	123	25	28.7	115	7	69-159/18
	m,p-Xylene	2.0 U		50	55.2	110	50	53.2	106	4	79-126/15
95-47-6	o-Xylene	1.0 U		25	28.4	114	25	27.6	110	3	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	83.6	111	75	80.7	108	4	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44458-3MS	J0974646.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3MSD	J0974647.D	1	02/26/16	MM	n/a	n/a	VJ5218
MC44458-3	J0974644.D	1	02/26/16	MM	n/a	n/a	VJ5218

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2, MC44478-3, MC44478-4

CAS No.	Surrogate Recoveries	MS	MSD	MC44458-3	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	91%	79-125%
2037-26-5	Toluene-D8	98%	97%	104%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44452-12MS	J0974731.D	1	03/01/16	DP	n/a	n/a	VJ5220
MC44452-12MSD	J0974732.D	1	03/01/16	DP	n/a	n/a	VJ5220
MC44452-12	J0974699.D	1	02/29/16	DP	n/a	n/a	VJ5220

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44478-1, MC44478-2

CAS No.	Compound	MC44452-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	27.0	108	25	26.6	106	1	78-120/15
127-18-4	Tetrachloroethylene	1.0 U		25	27.0	108	25	26.5	106	2	76-135/16

CAS No.	Surrogate Recoveries	MS	MSD	MC44452-12	Limits
1868-53-7	Dibromofluoromethane	102%	102%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	92%	92%	79-125%
2037-26-5	Toluene-D8	97%	98%	102%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	102%	83-118%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44478
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44478-1	J0974684.D	101	90	102	98
MC44478-1	J0974634.D	100	91	103	101
MC44478-2	J0974685.D	98	90	100	99
MC44478-2	J0974635.D	97	92	103	103
MC44478-3	J0974636.D	97	91	104	103
MC44478-4	J0974637.D	98	91	104	102
MC44452-12MS	J0974731.D	102	93	97	94
MC44452-12MSD	J0974732.D	102	92	98	95
MC44458-3MS	J0974646.D	100	89	98	94
MC44458-3MSD	J0974647.D	101	89	97	95
VJ5218-BS	J0974627.D	101	91	100	97
VJ5218-MB	J0974626.D	95	92	101	101
VJ5220-BS	J0974683.D	101	94	99	97
VJ5220-MB	J0974682.D	99	92	101	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST — CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: 6595 2492 3255 | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC44478

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175;
Project Contact: frankd, E-mail: frankd@accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300	LAB USE ONLY
1	G6M-03-01X		2/22/16	9:30:00 AM	KGA	AQ	1					x				X	
2	G6M-13-02X		2/22/16	12:30:00 PM	KGA	AQ	1					x				X	MA
3	G6M-04-05X		2/22/16	2:05:00 PM	KGA	AQ	1					x				X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/3/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – DOD
SO4 by 300

INITIAL ASESSMENT AM 3A
LABEL VERIFICATION JK

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:
1		2/23/16	
2	Relinquished By:	Date Time: 9:30 2-23-16	Received By:
3	Relinquished by Sampler:	Date Time:	Received By:
4	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:

Custody Seal #: [ ] Intact [ ] Not intact | Preserved where applicable: [ ] | On Ice: [ ] | Cooler Temp: 2.3 C IR

11.1 11

MC44478: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44478 **Client:** _____ **Project:** _____

Date / Time Received: 2/23/2016 9:30:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44478
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44478

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP95850/GN41603	0.50	0.0	mg/l	80	81.9	102.4	90-110%
Sulfate	GP95850/GN41603	2.0	0.0	mg/l	80	80.2	100.3	90-110%

Associated Samples:
Batch GP95850: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP95850/GN41423	JC14479-1	mg/l	183	183	0.0	0-20%
Sulfate	GP95850/GN41603	JC14479-1	mg/l	3740	3720	0.5	0-20%

Associated Samples:
Batch GP95850: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44478
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP95850/GN41423	JC14479-1	mg/l	183	80	259	95.0	80-120%
Sulfate	GP95850/GN41603	JC14479-1	mg/l	3740	1600	6230	155.6N(a)	80-120%

Associated Samples:
Batch GP95850: MC44478-1, MC44478-2, MC44478-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

KOMAN Government Solutions, LLC

Fort Devens, AOC50, Devens, MA

February 2016

SGS Accutest Job Number: MC44524



Sampling Date: 02/24/16

Report to:

KOMAN Government Solutions, LLC
160 East Main Street
Westborough, MA 01581
lekes@hsenv.com

ATTN: Laurie Ekes

Total number of pages in report: 72

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

KOMAN Government Solutions, LLC

Job No: MC44524

Fort Devens, AOC50, Devens, MA
Project No: February 2016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC44524-1	02/24/16	15:10	KGA	02/24/16	AQ	Ground Water	G6M-03-08X
MC44524-1F	02/24/16	15:10	KGA	02/24/16	AQ	Groundwater Filtered	G6M-03-08X
MC44524-2	02/24/16	13:30	KGA	02/24/16	AQ	Trip Blank Water	TB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: KOMAN Government Solutions, LLC **Job No** MC44524

Site: Fort Devens, AOC50, Devens, MA **Report Date** 3/7/2016 5:32:06 PM

1 Sample(s) and 1 Trip Blank(s) were collected on 02/24/2016 and were received at SGS Accutest New England on 02/24/2016 properly preserved, at 0.2 Deg. C and intact. These Samples received a job number of MC44524. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** F:VJ5223

- Analysis performed at Accutest Laboratories, Orlando FL.

FA31780-4MS Recovery(s) for Bromoform, Dibromochloromethane, m,p-Xylene are outside DoD control limits.

FA31780-4MSD Recovery(s) for m,p-Xylene, Xylene (total) are outside DoD control limits.

Volatiles by GC By Method RSK-175

Matrix: AQ **Batch ID:** GBA1594

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25867

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44440-1FMS, MC44440-1FMSD, MC44440-1FSDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** N:GP95969

- MC44524-1 for Sulfate: Analysis performed at Accutest Laboratories, Dayton, NJ.

Wet Chemistry By Method EPA 353.2

Matrix: AQ **Batch ID:** GP20180

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44616-1ADUP, MC44616-1AMS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Matrix: AQ **Batch ID:** R38072

- MC44524-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM 21 4500 NO2 B

Matrix: AQ **Batch ID:** GP20157

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP, MC44524-1MS were used as the QC samples for Nitrogen, Nitrite.

Wet Chemistry By Method SM21 2320B

Matrix: AQ **Batch ID:** GN53184

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44524-1DUP, MC44524-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM21 4500 S F

Matrix: AQ **Batch ID:** GN53185

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44589-1DUP, MC44589-1MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SW846 9060

Matrix: AQ **Batch ID:** GP20170

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC44478-1MS, MC44478-1MSD were used as the QC samples for Total Organic Carbon.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC44524).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Labs of New England, Inc.	**Job No**	MC44524
Site:	HSMAW: Fort Devens, AOC50, Devens, MA	**Report Date**	3/4/2016 4:39:25 PM

On 02/26/2016, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 1.8 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of MC44524 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP95969

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14499-1DUP, JC14499-1MS were used as the QC samples for Sulfate.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Labs of New England, Inc. **Job** MC44524

Site: HSMAW: Fort Devens, AOC50, Devens, MA **Report Date** 3/3/2016 1:19:37 PM

1 Sample and 1 Trip Blank were collected on 02/24/2016 and were received at Accutest SE on 02/26/2016 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of MC44524. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ5223

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31780-4MS, FA31780-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Bromoform, Dibromochloromethane, m,p-Xylene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Dibromochloromethane, m,p-Xylene, Xylene (total) are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Lovelie Metzgar, QA Officer (signature on file)

Date: March 3, 2016

Summary of Hits

Job Number: MC44524
Account: KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
MC44524-1	**G6M-03-08X**					
cis-1,2-Dichloroethylene [a]		3.0	1.0	0.50	ug/l	SW846 8260B
Methane		90.7	10	5.0	ug/l	RSK-175
Alkalinity, Total as CaCO3		155	5.0	3.9	mg/l	SM21 2320B
Sulfate [b]		3.1 J	10	0.50	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.8	1.0	0.81	mg/l	SW846 9060
MC44524-1F	**G6M-03-08X**					
Arsenic		8.2	4.0	2.0	ug/l	SW846 6010C
Iron		1030	100	50	ug/l	SW846 6010C
Manganese		4710	75	38	ug/l	SW846 6010C
MC44524-2	**TB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974767.D	1	03/02/16	AFL	n/a	n/a	F:VJ5223
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: G6M-03-08X
Lab Sample ID: MC44524-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/24/16
Date Received: 02/24/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BA23362.D	1	02/26/16	DF	n/a	n/a	GBA1594
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	37.0 ml	5.0 ml	200 ul	23 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	Units	Q
74-82-8	Methane	90.7	10	5.0	ug/l	
74-84-0	Ethane	5.0 U	10	5.0	ug/l	
74-85-1	Ethene	5.0 U	10	5.0	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1	**Date Sampled:**	02/24/16
Matrix:	AQ - Ground Water	**Date Received:**	02/24/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

General Chemistry

Analyte	Result	LOQ	LOD	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	155	5.0	3.9	mg/l	1	03/01/16	EL	SM21 2320B
Nitrogen, Nitrate [a]	0.057 U	0.11	0.057	mg/l	1	03/05/16 10:20	MC	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.054 U	0.10	0.054	mg/l	1	03/05/16 10:20	MC	EPA 353.2
Nitrogen, Nitrite	0.0033 U	0.010	0.0033	mg/l	1	02/26/16 09:35	EL	SM 21 4500 NO2 B
Sulfate [b]	3.1 J	10	0.50	mg/l	1	03/04/16 00:37	ANJ	EPA 300/SW846 9056A
Sulfide	1.0 U	2.0	1.0	mg/l	1	03/01/16	BF	SM21 4500 S F
Total Organic Carbon	1.8	1.0	0.81	mg/l	1	03/02/16 23:19	EL	SW846 9060

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis performed at Accutest Laboratories, Dayton, NJ.

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	G6M-03-08X		
Lab Sample ID:	MC44524-1F	**Date Sampled:**	02/24/16
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/24/16
		Percent Solids:	n/a
Project:	Fort Devens, AOC50, Devens, MA		

Dissolved Metals Analysis

Analyte	Result	LOQ	LOD	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.2	4.0	2.0	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Iron	1030	100	50	ug/l	1	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]
Manganese	4710	75	38	ug/l	5	02/26/16	02/29/16	EC	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18941
(2) Prep QC Batch: MP25867

LOQ = Limit of Quantitation
LOD = Limit of Detection

U = Indicates a result < LOD
J = Indicates a result > = LOD but < LOQ

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44524-2	**Date Sampled:**	02/24/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0974768.D	1	03/02/16	AFL	n/a	n/a	F:VJ5223
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	LOQ	LOD	Units	Q
67-64-1	Acetone	20 U	25	20	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB
Lab Sample ID: MC44524-2
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Fort Devens, AOC50, Devens, MA

Date Sampled: 02/24/16
Date Received: 02/24/16
Percent Solids: n/a

CAS No.	Compound	Result	LOQ	LOD	Units	Q
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl Bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	ug/l	
74-88-4	Methyl Iodide	0.50 U	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	MC44524-2	**Date Sampled:**	02/24/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/24/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Fort Devens, AOC50, Devens, MA		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #: MC44524

Client Information		Facility Information	
Name: H&S Environmental		Project Name: Devens	
Address: 160 East Main Street, Suite 2F		Location: AOC50 February 2016	
City: Westborough		Project No.	
State: MA	Zip: 01581		
Send Report to: Laurie Ekes (lekes@hsenv.com)			
Phone #: (508)367-7190		FAX #:	

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation VOC	NaOH	HNO3	H2So4	None	VOCs (3/40ml VOA vials/HCl) 1	Dissolved Metals (As, Fe, Mn) SW6010/1-250ml P/HNO3 (Filter)	Dissolved Gases (3-40ml VOA/HCl) RSK175 2	Alkalinity, Sulfate (1-500 ml P)	Nitrate (1-250ml P/H2SO4) E353.2	Sulfide (1-250mlP/Znacetate/NaOH)	TOC (3-40ml VOA/HCl)				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
				WG	13	9	1	1	1	1	X	X	X	X	X	X	X				
1F 66M-03-08X	2/24/16	1510	KGA	WG	11	7	1	1	1	1	X	X	X	X	X	X	X				
2 TB	2/24/16	1330	KGA	DI	2	2					X										
																					11E
																					5E
																					3L3

Turnaround Information

- [x] 10 Day STD
- [ ] 5 Day STD (By Contract only)
- [ ] 5 Day Rush
- [ ] 3 Day Rush
- [ ] 2 Day Rush
- [ ] 1 Day Rush

Approved By:

Data Deliverable Information

- [ ] Comm A
- [ ] Comm B
- [ ] Full T1
- [x] Other
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP CAT A
- [ ] NYASP CATB

EDD Format:

Comments / Remarks

INITIAL ASESSMENT WM

LABEL VERIFICATION WM

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2/24/16 1735	1 [signature]	2		2
3		3	4		4
5		5	Seal #	Preserved ☐	On Ice: ☑ 0.2°

MC44524: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC44524 **Client:** H&S ENVIRONMENTAL **Project:** DEVENS

Date / Time Received: 2/24/2016 5:35:00 PM **Delivery Method:** COURIER **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (0.2/0.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP25867	SW846 6010C						
MP25867-B1	7440-38-2	Arsenic	BSP	REC	103.2	%	87-113
MP25867-B1	7439-89-6	Iron	BSP	REC	101	%	87-115
MP25867-B1	7439-96-5	Manganese	BSP	REC	105.4	%	90-114
MP25867-S1*	7440-38-2	Arsenic	MS	REC	107.1	%	87-113
MP25867-S1*	7439-89-6	Iron	MS	REC	107	%	87-115
MP25867-S1*	7439-96-5	Manganese	MS	REC	110	%	90-114
MP25867-S2*	7440-38-2	Arsenic	MSD	REC	107.9	%	87-113
MP25867-S2*	7440-38-2	Arsenic	MSD	RPD	.7	%	20
MP25867-S2*	7439-89-6	Iron	MSD	REC	107	%	87-115
MP25867-S2*	7439-89-6	Iron	MSD	RPD	0	%	20
MP25867-S2*	7439-96-5	Manganese	MSD	REC	104	%	90-114
MP25867-S2*	7439-96-5	Manganese	MSD	RPD	.4	%	20

* Sample used for QC is not from job MC44524

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: MC44524
Account: HSMAW KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1594-MB	BA23360.D	1	02/26/16	DF	n/a	n/a	GBA1594

The QC reported here applies to the following samples: **Method:** RSK-175

MC44524-1

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	4.1	ug/l	
74-84-0	Ethane	ND	10	3.1	ug/l	
74-85-1	Ethene	ND	10	1.8	ug/l	

Blank Spike Summary

Job Number: MC44524
Account: HSMAW KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBA1594-BSP	BA23361.D	1	02/26/16	DF	n/a	n/a	GBA1594

The QC reported here applies to the following samples: **Method:** RSK-175

MC44524-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	88.7	89.7	101	50-150
74-84-0	Ethane	166	173	104	50-150
74-85-1	Ethene	155	184	119	50-150

* = Outside of Control Limits.

Duplicate Summary

Job Number: MC44524
Account: HSMAW KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC44524-1DUP	BA23363.D	1	02/26/16	DF	n/a	n/a	GBA1594
MC44524-1	BA23362.D	1	02/26/16	DF	n/a	n/a	GBA1594

The QC reported here applies to the following samples: **Method:** RSK-175

MC44524-1

CAS No.	Compound	MC44524-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	90.7		108		17	30
74-84-0	Ethane	10 U		ND		nc	30
74-85-1	Ethene	1.9		2.0	J	5	30

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	12	25		
Antimony	6.0	.92	1.2		
Arsenic	4.0	.85	2	-0.40	<4.0
Barium	50	.3	.57		
Beryllium	4.0	.079	.34		
Bismuth	50	1.1	1.8		
Boron	100	.32	2.3		
Cadmium	4.0	.12	.3		
Calcium	5000	4	18		
Chromium	10	.25	1.1		
Cobalt	50	.18	.41		
Copper	25	.48	4.2		
Gold	50	1.1	1.3		
Iron	100	58	16	4.3	<100
Lead	5.0	.61	1.1		
Lithium	500	1.3	1.8		
Magnesium	5000	19	56		
Manganese	15	.16	.41	0.30	<15
Molybdenum	100	2	16		
Nickel	40	.19	.35		
Palladium	50	1.2	1.4		
Platinum	50	3.5	4.7		
Potassium	5000	26	78		
Selenium	10	1	3.4		
Silicon	100	1.6	11		
Silver	5.0	.31	1.4		
Sodium	5000	7.4	35		
Sulfur	50	1.9	3.3		
Strontium	10	.1	.17		
Thallium	5.0	.57	1.8		
Tin	100	.33	2.2		
Titanium	50	.28	.99		
Tungsten	100	4	23		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	RL	IDL	MDL	MB raw	final
Vanadium	10	.31	.4		
Zinc	20	.24	1		
Zirconium	50	.22	2.6		

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MS	Spikelot MPICP7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	75.5	611	500	107.1	75-125
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Gold					
Iron	16400	27100	10000	107.0	75-125
Lead					
Lithium					
Magnesium					
Manganese	7460	8010	500	110.0	75-125
Molybdenum					
Nickel					
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MS	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	75.5	615	500	107.9	0.7	20
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Gold						
Iron	16400	27100	10000	107.0	0.0	20
Lead						
Lithium						
Magnesium						
Manganese	7460	7980	500	104.0	0.4	20
Molybdenum						
Nickel						
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original MSD	Spikelot MPICP7	% Rec	MSD RPD	QC Limit
Vanadium					
Zinc					
Zirconium					

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	516	500	103.2	80-120
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	10100	10000	101.0	80-120
Lead				
Lithium				
Magnesium				
Manganese	527	500	105.4	80-120
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	BSP Result	Spikelot MPICP7	% Rec	QC Limits
Vanadium				
Zinc				
Zirconium				

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	75.5	81.4	7.8	0-10
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Gold				
Iron	16400	16900	3.1	0-10
Lead				
Lithium				
Magnesium				
Manganese	7460	7370	1.1	0-10
Molybdenum				
Nickel				
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

QC Batch ID: MP25867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/16

Metal	MC44440-1F Original SDL 1:5	%DIF	QC Limits
Vanadium			
Zinc			
Zirconium			

Associated samples MP25867: MC44524-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN53184	5.0	0.0	mg/l	250	259	103.6	80-120%
Nitrogen, Nitrate + Nitrite	GP20180/GN53212	0.10	0.0	mg/l	2	2.12	106.0	90-110%
Nitrogen, Nitrite	GP20157/GN53158	0.010	0.0	mg/l	0.02	0.021	105.0	80-120%
Sulfide	GN53185	2.0	0.0	mg/l	12.4	12.0	96.8	80-120%
Total Organic Carbon	GP20170/GN53193	1.0	0.0	mg/l	10	9.59	95.9	80-120%

Associated Samples:
Batch GN53184: MC44524-1
Batch GN53185: MC44524-1
Batch GP20157: MC44524-1
Batch GP20170: MC44524-1
Batch GP20180: MC44524-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	157	1.3	0-20%
Nitrogen, Nitrate + Nitrite	GP20180/GN53212	MC44616-1A	mg/l	0.13	0.13	0.0	0-20%
Nitrogen, Nitrite	GP20157/GN53158	MC44524-1	mg/l	0.0011 U	0.0	0.0	0-20%
Sulfide	GN53185	MC44589-1	mg/l	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GN53184: MC44524-1
Batch GN53185: MC44524-1
Batch GP20157: MC44524-1
Batch GP20180: MC44524-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN53184	MC44524-1	mg/l	155	250	406	100.4	75-125%
Nitrogen, Nitrate + Nitrite	GP20180/GN53212	MC44616-1A	mg/l	0.13	2	2.2	103.5	90-110%
Nitrogen, Nitrite	GP20157/GN53158	MC44524-1	mg/l	0.0011 U	0.02	0.019	95.0	75-125%
Sulfide	GN53185	MC44589-1	mg/l	0.0	12.4	12.0	96.8	75-125%
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	16.4	100.0	75-125%

Associated Samples:
Batch GN53184: MC44524-1
Batch GN53185: MC44524-1
Batch GP20157: MC44524-1
Batch GP20170: MC44524-1
Batch GP20180: MC44524-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: HSMAW - KOMAN Government Solutions, LLC
Project: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Total Organic Carbon	GP20170/GN53193	MC44478-1	mg/l	6.4	10	15.8	3.7	20%

Associated Samples:
Batch GP20170: MC44524-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

SGS ACCUTEST

CHAIN OF CUSTODY

Page 1 of 1

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #	Bottle Order Control #
SGS Accutest Quote #	SGS Accutest Job MC44524

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175:
Project Contact: Frank D'Agostino, E-mail: Frank D'Agostino@accutest.
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260STD ,VMS+8260C ,VMS+MTBE ,	LAB USE ONLY
1	G6M-03-08X		2/24/16	3:10:00 PM	KGA	AQ	2	x								X	
2	TB		2/24/16	1:30:00 PM	KGA	AQ	2	x								X	

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/7/2016

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALSE - DOD
*Need 8260C Method

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Tir	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	2-25-16	1 FEDX	2 FX		2 [signature] 2/26/16 9:30
3		3	4		4
5		5			

Custody Seal # ☐ Intact ☐ Not intact — Preserved where applicable ☐ — On Ice ☑ — Cooler Temp. 3.0

9.1

9

MC44524: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: MC44524 CLIENT: ALNE PROJECT: Fort Devens

DATE/TIME RECEIVED: 2/26/16 9:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 6595 2492 3483

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.2
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 3.0 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 2/27/16 REVIEWER SIGNATURE/DATE: 2/27/16

NF 11/15 receipt confirmation 111015.xls

9.1

9



MC44524: Chain of Custody
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QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5223	SW846 8260B						
VJ5223-BS	67-64-1	Acetone	BSP	REC	90	%	39-160
VJ5223-BS	71-43-2	Benzene	BSP	REC	97	%	79-120
VJ5223-BS	108-86-1	Bromobenzene	BSP	REC	97	%	80-120
VJ5223-BS	74-97-5	Bromochloromethane	BSP	REC	106	%	78-123
VJ5223-BS	75-27-4	Bromodichloromethane	BSP	REC	97	%	79-125
VJ5223-BS	75-25-2	Bromoform	BSP	REC	86	%	66-130
VJ5223-BS	78-93-3	2-Butanone (MEK)	BSP	REC	83	%	56-143
VJ5223-BS	104-51-8	n-Butylbenzene	BSP	REC	106	%	75-128
VJ5223-BS	135-98-8	sec-Butylbenzene	BSP	REC	112	%	77-126
VJ5223-BS	98-06-6	tert-Butylbenzene	BSP	REC	102	%	78-124
VJ5223-BS	75-15-0	Carbon Disulfide	BSP	REC	112	%	64-133
VJ5223-BS	56-23-5	Carbon Tetrachloride	BSP	REC	101	%	72-136
VJ5223-BS	108-90-7	Chlorobenzene	BSP	REC	97	%	82-118
VJ5223-BS	75-00-3	Chloroethane	BSP	REC	106	%	60-138
VJ5223-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VJ5223-BS	95-49-8	o-Chlorotoluene	BSP	REC	102	%	79-122
VJ5223-BS	106-43-4	p-Chlorotoluene	BSP	REC	101	%	78-122
VJ5223-BS	124-48-1	Dibromochloromethane	BSP	REC	92	%	74-126
VJ5223-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	72	%	62-128
VJ5223-BS	106-93-4	1,2-Dibromoethane	BSP	REC	94	%	77-121
VJ5223-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	113	%	32-152
VJ5223-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	99	%	80-119
VJ5223-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	103	%	80-119
VJ5223-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	79-118
VJ5223-BS	75-34-3	1,1-Dichloroethane	BSP	REC	98	%	77-125
VJ5223-BS	107-06-2	1,2-Dichloroethane	BSP	REC	88	%	73-128
VJ5223-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	103	%	71-131
VJ5223-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	95	%	78-123
VJ5223-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	106	%	75-124
VJ5223-BS	78-87-5	1,2-Dichloropropane	BSP	REC	96	%	78-122
VJ5223-BS	142-28-9	1,3-Dichloropropane	BSP	REC	89	%	80-119
VJ5223-BS	594-20-7	2,2-Dichloropropane	BSP	REC	100	%	60-139
VJ5223-BS	563-58-6	1,1-Dichloropropene	BSP	REC	99	%	79-125
VJ5223-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	92	%	75-124
VJ5223-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	103	%	73-127
VJ5223-BS	100-41-4	Ethylbenzene	BSP	REC	94	%	79-121
VJ5223-BS	87-68-3	Hexachlorobutadiene	BSP	REC	98	%	66-134
VJ5223-BS	591-78-6	2-Hexanone	BSP	REC	82	%	57-139
VJ5223-BS	98-82-8	Isopropylbenzene	BSP	REC	96	%	72-131
VJ5223-BS	99-87-6	p-Isopropyltoluene	BSP	REC	94	%	77-127
VJ5223-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141
VJ5223-BS	74-87-3	Methyl Chloride	BSP	REC	94	%	50-139

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VJ5223-BS	74-88-4	Methyl Iodide	BSP	REC	112	%	69-131
VJ5223-BS	74-95-3	Methylene Bromide	BSP	REC	94	%	79-123
VJ5223-BS	75-09-2	Methylene Chloride	BSP	REC	82	%	74-124
VJ5223-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	86	%	67-130
VJ5223-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	94	%	71-124
VJ5223-BS	91-20-3	Naphthalene	BSP	REC	88	%	61-128
VJ5223-BS	103-65-1	n-Propylbenzene	BSP	REC	112	%	76-126
VJ5223-BS	100-42-5	Styrene	BSP	REC	101	%	78-123
VJ5223-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	102	%	78-124
VJ5223-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	83	%	71-121
VJ5223-BS	127-18-4	Tetrachloroethylene	BSP	REC	98	%	74-129
VJ5223-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
VJ5223-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	94	%	69-129
VJ5223-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	94	%	69-130
VJ5223-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	95	%	74-131
VJ5223-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	93	%	80-119
VJ5223-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VJ5223-BS	75-69-4	Trichlorofluoromethane	BSP	REC	105	%	65-141
VJ5223-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	86	%	73-122
VJ5223-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	104	%	76-124
VJ5223-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	103	%	75-124
VJ5223-BS	108-05-4	Vinyl Acetate	BSP	REC	88	%	54-146
VJ5223-BS	75-01-4	Vinyl Chloride	BSP	REC	105	%	58-137
VJ5223-BS		m,p-Xylene	BSP	REC	97	%	80-121
VJ5223-BS	95-47-6	o-Xylene	BSP	REC	102	%	78-122
VJ5223-BS	1330-20-7	Xylene (total)	BSP	REC	99	%	79-121
VJ5223-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VJ5223-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	92	%	81-118
VJ5223-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VJ5223-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
FA31780-4MS*	67-64-1	Acetone	MS	REC	86	%	39-160
FA31780-4MS*	71-43-2	Benzene	MS	REC	91	%	79-120
FA31780-4MS*	108-86-1	Bromobenzene	MS	REC	96	%	80-120
FA31780-4MS*	74-97-5	Bromochloromethane	MS	REC	104	%	78-123
FA31780-4MS*	75-27-4	Bromodichloromethane	MS	REC	85	%	79-125
FA31780-4MS*	75-25-2	Bromoform	MS	REC	55 [a]	%	66-130
FA31780-4MS*	78-93-3	2-Butanone (MEK)	MS	REC	78	%	56-143
FA31780-4MS*	104-51-8	n-Butylbenzene	MS	REC	104	%	75-128
FA31780-4MS*	135-98-8	sec-Butylbenzene	MS	REC	109	%	77-126
FA31780-4MS*	98-06-6	tert-Butylbenzene	MS	REC	99	%	78-124
FA31780-4MS*	75-15-0	Carbon Disulfide	MS	REC	89	%	64-133
FA31780-4MS*	56-23-5	Carbon Tetrachloride	MS	REC	96	%	72-136
FA31780-4MS*	108-90-7	Chlorobenzene	MS	REC	97	%	82-118
FA31780-4MS*	75-00-3	Chloroethane	MS	REC	106	%	60-138
FA31780-4MS*	67-66-3	Chloroform	MS	REC	97	%	79-124

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MS*	95-49-8	o-Chlorotoluene	MS	REC	110	%	79-122
FA31780-4MS*	106-43-4	p-Chlorotoluene	MS	REC	97	%	78-122
FA31780-4MS*	124-48-1	Dibromochloromethane	MS	REC	68 [a]	%	74-126
FA31780-4MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	84	%	62-128
FA31780-4MS*	106-93-4	1,2-Dibromoethane	MS	REC	88	%	77-121
FA31780-4MS*	75-71-8	Dichlorodifluoromethane	MS	REC	110	%	32-152
FA31780-4MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	98	%	80-119
FA31780-4MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	101	%	80-119
FA31780-4MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	96	%	79-118
FA31780-4MS*	75-34-3	1,1-Dichloroethane	MS	REC	94	%	77-125
FA31780-4MS*	107-06-2	1,2-Dichloroethane	MS	REC	83	%	73-128
FA31780-4MS*	75-35-4	1,1-Dichloroethylene	MS	REC	100	%	71-131
FA31780-4MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	92	%	78-123
FA31780-4MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	101	%	75-124
FA31780-4MS*	78-87-5	1,2-Dichloropropane	MS	REC	92	%	78-122
FA31780-4MS*	142-28-9	1,3-Dichloropropane	MS	REC	85	%	80-119
FA31780-4MS*	594-20-7	2,2-Dichloropropane	MS	REC	95	%	60-139
FA31780-4MS*	563-58-6	1,1-Dichloropropene	MS	REC	96	%	79-125
FA31780-4MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	83	%	75-124
FA31780-4MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	92	%	73-127
FA31780-4MS*	100-41-4	Ethylbenzene	MS	REC	107	%	79-121
FA31780-4MS*	87-68-3	Hexachlorobutadiene	MS	REC	98	%	66-134
FA31780-4MS*	591-78-6	2-Hexanone	MS	REC	78	%	57-139
FA31780-4MS*	98-82-8	Isopropylbenzene	MS	REC	98	%	72-131
FA31780-4MS*	99-87-6	p-Isopropyltoluene	MS	REC	92	%	77-127
FA31780-4MS*	74-83-9	Methyl Bromide	MS	REC	97	%	53-141
FA31780-4MS*	74-87-3	Methyl Chloride	MS	REC	91	%	50-139
FA31780-4MS*	74-88-4	Methyl Iodide	MS	REC	110	%	69-131
FA31780-4MS*	74-95-3	Methylene Bromide	MS	REC	92	%	79-123
FA31780-4MS*	75-09-2	Methylene Chloride	MS	REC	75	%	74-124
FA31780-4MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	82	%	67-130
FA31780-4MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	93	%	71-124
FA31780-4MS*	91-20-3	Naphthalene	MS	REC	99	%	61-128
FA31780-4MS*	103-65-1	n-Propylbenzene	MS	REC	108	%	76-126
FA31780-4MS*	100-42-5	Styrene	MS	REC	98	%	78-123
FA31780-4MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	99	%	78-124
FA31780-4MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	80	%	71-121
FA31780-4MS*	127-18-4	Tetrachloroethylene	MS	REC	94	%	74-129
FA31780-4MS*	108-88-3	Toluene	MS	REC	93	%	80-121
FA31780-4MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	92	%	69-129
FA31780-4MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	96	%	69-130
FA31780-4MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	92	%	74-131
FA31780-4MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	92	%	80-119
FA31780-4MS*	79-01-6	Trichloroethylene	MS	REC	105	%	79-123
FA31780-4MS*	75-69-4	Trichlorofluoromethane	MS	REC	100	%	65-141

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	80	%	73-122
FA31780-4MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	92	%	76-124
FA31780-4MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	104	%	75-124
FA31780-4MS*	108-05-4	Vinyl Acetate	MS	REC	77	%	54-146
FA31780-4MS*	75-01-4	Vinyl Chloride	MS	REC	103	%	58-137
FA31780-4MS*		m,p-Xylene	MS	REC	132 [a]	%	80-121
FA31780-4MS*	95-47-6	o-Xylene	MS	REC	101	%	78-122
FA31780-4MS*	1330-20-7	Xylene (total)	MS	REC	121	%	79-121
FA31780-4MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
FA31780-4MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	93	%	81-118
FA31780-4MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FA31780-4MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
FA31780-4MSD*	67-64-1	Acetone	MSD	REC	100	%	39-160
FA31780-4MSD*	67-64-1	Acetone	MSD	RPD	15	%	20
FA31780-4MSD*	71-43-2	Benzene	MSD	REC	95	%	79-120
FA31780-4MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FA31780-4MSD*	108-86-1	Bromobenzene	MSD	REC	105	%	80-120
FA31780-4MSD*	108-86-1	Bromobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	74-97-5	Bromochloromethane	MSD	REC	113	%	78-123
FA31780-4MSD*	74-97-5	Bromochloromethane	MSD	RPD	8	%	20
FA31780-4MSD*	75-27-4	Bromodichloromethane	MSD	REC	92	%	79-125
FA31780-4MSD*	75-27-4	Bromodichloromethane	MSD	RPD	8	%	20
FA31780-4MSD*	75-25-2	Bromoform	MSD	REC	67	%	66-130
FA31780-4MSD*	75-25-2	Bromoform	MSD	RPD	20	%	20
FA31780-4MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	90	%	56-143
FA31780-4MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	15	%	20
FA31780-4MSD*	104-51-8	n-Butylbenzene	MSD	REC	110	%	75-128
FA31780-4MSD*	104-51-8	n-Butylbenzene	MSD	RPD	5	%	20
FA31780-4MSD*	135-98-8	sec-Butylbenzene	MSD	REC	116	%	77-126
FA31780-4MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	6	%	20
FA31780-4MSD*	98-06-6	tert-Butylbenzene	MSD	REC	106	%	78-124
FA31780-4MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	7	%	20
FA31780-4MSD*	75-15-0	Carbon Disulfide	MSD	REC	86	%	64-133
FA31780-4MSD*	75-15-0	Carbon Disulfide	MSD	RPD	4	%	20
FA31780-4MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	102	%	72-136
FA31780-4MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA31780-4MSD*	108-90-7	Chlorobenzene	MSD	REC	104	%	82-118
FA31780-4MSD*	108-90-7	Chlorobenzene	MSD	RPD	7	%	20
FA31780-4MSD*	75-00-3	Chloroethane	MSD	REC	114	%	60-138
FA31780-4MSD*	75-00-3	Chloroethane	MSD	RPD	7	%	20
FA31780-4MSD*	67-66-3	Chloroform	MSD	REC	105	%	79-124
FA31780-4MSD*	67-66-3	Chloroform	MSD	RPD	8	%	20
FA31780-4MSD*	95-49-8	o-Chlorotoluene	MSD	REC	118	%	79-122
FA31780-4MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	7	%	20
FA31780-4MSD*	106-43-4	p-Chlorotoluene	MSD	REC	105	%	78-122

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	8	%	20
FA31780-4MSD*	124-48-1	Dibromochloromethane	MSD	REC	77	%	74-126
FA31780-4MSD*	124-48-1	Dibromochloromethane	MSD	RPD	13	%	20
FA31780-4MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	91	%	62-128
FA31780-4MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	9	%	20
FA31780-4MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	100	%	77-121
FA31780-4MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	12	%	20
FA31780-4MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	115	%	32-152
FA31780-4MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	4	%	20
FA31780-4MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	106	%	80-119
FA31780-4MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	110	%	80-119
FA31780-4MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	104	%	79-118
FA31780-4MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	103	%	77-125
FA31780-4MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	9	%	20
FA31780-4MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	93	%	73-128
FA31780-4MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	11	%	20
FA31780-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	108	%	71-131
FA31780-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	8	%	20
FA31780-4MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	100	%	78-123
FA31780-4MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	9	%	20
FA31780-4MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	108	%	75-124
FA31780-4MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	7	%	20
FA31780-4MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	102	%	78-122
FA31780-4MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	10	%	20
FA31780-4MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	96	%	80-119
FA31780-4MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	12	%	20
FA31780-4MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	103	%	60-139
FA31780-4MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	8	%	20
FA31780-4MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	103	%	79-125
FA31780-4MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	7	%	20
FA31780-4MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	85	%	75-124
FA31780-4MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
FA31780-4MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	97	%	73-127
FA31780-4MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	5	%	20
FA31780-4MSD*	100-41-4	Ethylbenzene	MSD	REC	112	%	79-121
FA31780-4MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA31780-4MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	104	%	66-134
FA31780-4MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	7	%	20
FA31780-4MSD*	591-78-6	2-Hexanone	MSD	REC	91	%	57-139
FA31780-4MSD*	591-78-6	2-Hexanone	MSD	RPD	16	%	20
FA31780-4MSD*	98-82-8	Isopropylbenzene	MSD	REC	105	%	72-131
FA31780-4MSD*	98-82-8	Isopropylbenzene	MSD	RPD	6	%	20

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	98	%	77-127
FA31780-4MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	6	%	20
FA31780-4MSD*	74-83-9	Methyl Bromide	MSD	REC	103	%	53-141
FA31780-4MSD*	74-83-9	Methyl Bromide	MSD	RPD	6	%	20
FA31780-4MSD*	74-87-3	Methyl Chloride	MSD	REC	99	%	50-139
FA31780-4MSD*	74-87-3	Methyl Chloride	MSD	RPD	8	%	20
FA31780-4MSD*	74-88-4	Methyl Iodide	MSD	REC	118	%	69-131
FA31780-4MSD*	74-88-4	Methyl Iodide	MSD	RPD	7	%	20
FA31780-4MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
FA31780-4MSD*	74-95-3	Methylene Bromide	MSD	RPD	12	%	20
FA31780-4MSD*	75-09-2	Methylene Chloride	MSD	REC	82	%	74-124
FA31780-4MSD*	75-09-2	Methylene Chloride	MSD	RPD	8	%	20
FA31780-4MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	94	%	67-130
FA31780-4MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	15	%	20
FA31780-4MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	105	%	71-124
FA31780-4MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	10	%	20
FA31780-4MSD*	91-20-3	Naphthalene	MSD	REC	114	%	61-128
FA31780-4MSD*	91-20-3	Naphthalene	MSD	RPD	6	%	20
FA31780-4MSD*	103-65-1	n-Propylbenzene	MSD	REC	111	%	76-126
FA31780-4MSD*	103-65-1	n-Propylbenzene	MSD	RPD	2	%	20
FA31780-4MSD*	100-42-5	Styrene	MSD	REC	108	%	78-123
FA31780-4MSD*	100-42-5	Styrene	MSD	RPD	10	%	20
FA31780-4MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	104	%	78-124
FA31780-4MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	6	%	20
FA31780-4MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	90	%	71-121
FA31780-4MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	12	%	20
FA31780-4MSD*	127-18-4	Tetrachloroethylene	MSD	REC	99	%	74-129
FA31780-4MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	5	%	20
FA31780-4MSD*	108-88-3	Toluene	MSD	REC	100	%	80-121
FA31780-4MSD*	108-88-3	Toluene	MSD	RPD	4	%	20
FA31780-4MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	100	%	69-129
FA31780-4MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	8	%	20
FA31780-4MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	102	%	69-130
FA31780-4MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA31780-4MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	100	%	74-131
FA31780-4MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	8	%	20
FA31780-4MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	100	%	80-119
FA31780-4MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	8	%	20
FA31780-4MSD*	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA31780-4MSD*	79-01-6	Trichloroethylene	MSD	RPD	10	%	20
FA31780-4MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	107	%	65-141
FA31780-4MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	6	%	20
FA31780-4MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	90	%	73-122
FA31780-4MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	13	%	20
FA31780-4MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	91	%	76-124

* Sample used for QC is not from job MC44524

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA31780-4MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FA31780-4MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	110	%	75-124
FA31780-4MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	3	%	20
FA31780-4MSD*	108-05-4	Vinyl Acetate	MSD	REC	88	%	54-146
FA31780-4MSD*	108-05-4	Vinyl Acetate	MSD	RPD	14	%	20
FA31780-4MSD*	75-01-4	Vinyl Chloride	MSD	REC	108	%	58-137
FA31780-4MSD*	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA31780-4MSD*		m,p-Xylene	MSD	REC	134 [a]	%	80-121
FA31780-4MSD*		m,p-Xylene	MSD	RPD	1	%	20
FA31780-4MSD*	95-47-6	o-Xylene	MSD	REC	110	%	78-122
FA31780-4MSD*	95-47-6	o-Xylene	MSD	RPD	5	%	20
FA31780-4MSD*	1330-20-7	Xylene (total)	MSD	REC	127 [a]	%	79-121
FA31780-4MSD*	1330-20-7	Xylene (total)	MSD	RPD	2	%	20
FA31780-4MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FA31780-4MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	94	%	81-118
FA31780-4MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
FA31780-4MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	95	%	85-114
VJ5223-MB	1868-53-7	Dibromofluoromethane	MB	SURR	100	%	80-119
VJ5223-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	91	%	81-118
VJ5223-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VJ5223-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
MC44524-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44524-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	89	%	81-118
MC44524-1	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
MC44524-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
MC44524-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
MC44524-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	91	%	81-118
MC44524-2	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
MC44524-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114

(a) Outside DOD QSM control limits.

* Sample used for QC is not from job MC44524

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-MB	J0974766.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.43	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.40	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.27	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-MB	J0974766.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.57	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.28	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl Iodide	ND	1.0	0.29	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.36	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.66	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.20	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-MB	J0974766.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Blank Spike Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-BS	J0974765.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	112	90	50-147
71-43-2	Benzene	25	24.3	97	81-122
108-86-1	Bromobenzene	25	24.3	97	80-121
74-97-5	Bromochloromethane	25	26.6	106	76-123
75-27-4	Bromodichloromethane	25	24.3	97	79-123
75-25-2	Bromoform	25	21.6	86	66-123
78-93-3	2-Butanone (MEK)	125	104	83	56-143
104-51-8	n-Butylbenzene	25	26.5	106	79-126
135-98-8	sec-Butylbenzene	25	28.0	112	83-133
98-06-6	tert-Butylbenzene	25	25.5	102	80-133
75-15-0	Carbon Disulfide	25	28.1	112	66-148
56-23-5	Carbon Tetrachloride	25	25.2	101	76-136
108-90-7	Chlorobenzene	25	24.3	97	82-124
75-00-3	Chloroethane	25	26.5	106	62-144
67-66-3	Chloroform	25	24.9	100	80-124
95-49-8	o-Chlorotoluene	25	25.5	102	81-127
106-43-4	p-Chlorotoluene	25	25.3	101	83-130
124-48-1	Dibromochloromethane	25	22.9	92	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	18.1	72	64-123
106-93-4	1,2-Dibromoethane	25	23.6	94	75-120
75-71-8	Dichlorodifluoromethane	25	28.3	113	42-167
95-50-1	1,2-Dichlorobenzene	25	24.8	99	82-124
541-73-1	1,3-Dichlorobenzene	25	25.8	103	84-125
106-46-7	1,4-Dichlorobenzene	25	24.1	96	78-120
75-34-3	1,1-Dichloroethane	25	24.5	98	81-122
107-06-2	1,2-Dichloroethane	25	22.0	88	75-125
75-35-4	1,1-Dichloroethylene	25	25.7	103	78-137
156-59-2	cis-1,2-Dichloroethylene	25	23.8	95	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.4	106	76-127
78-87-5	1,2-Dichloropropane	25	23.9	96	76-124
142-28-9	1,3-Dichloropropane	25	22.3	89	80-118
594-20-7	2,2-Dichloropropane	25	25.0	100	74-139
563-58-6	1,1-Dichloropropene	25	24.7	99	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.9	92	75-118
10061-02-6	trans-1,3-Dichloropropene	25	25.7	103	80-120
100-41-4	Ethylbenzene	25	23.5	94	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-BS	J0974765.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	24.4	98	75-142
591-78-6	2-Hexanone	125	102	82	61-129
98-82-8	Isopropylbenzene	25	24.0	96	83-132
99-87-6	p-Isopropyltoluene	25	23.6	94	79-130
74-83-9	Methyl Bromide	25	23.7	95	59-143
74-87-3	Methyl Chloride	25	23.4	94	50-159
74-88-4	Methyl Iodide	25	28.0	112	73-123
74-95-3	Methylene Bromide	25	23.4	94	78-119
75-09-2	Methylene Chloride	25	20.5	82	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	107	86	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	72-117
91-20-3	Naphthalene	25	22.0	88	63-132
103-65-1	n-Propylbenzene	25	28.0	112	82-133
100-42-5	Styrene	25	25.3	101	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.6	102	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	20.8	83	72-120
127-18-4	Tetrachloroethylene	25	24.4	98	76-135
108-88-3	Toluene	25	24.9	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	23.6	94	68-131
120-82-1	1,2,4-Trichlorobenzene	25	23.6	94	73-129
71-55-6	1,1,1-Trichloroethane	25	23.7	95	75-130
79-00-5	1,1,2-Trichloroethane	25	23.2	93	76-119
79-01-6	Trichloroethylene	25	26.0	104	81-126
75-69-4	Trichlorofluoromethane	25	26.2	105	71-156
96-18-4	1,2,3-Trichloropropane	25	21.5	86	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.8	103	79-120
108-05-4	Vinyl Acetate	125	110	88	43-154
75-01-4	Vinyl Chloride	25	26.3	105	69-159
	m,p-Xylene	50	48.6	97	79-126
95-47-6	o-Xylene	25	25.6	102	80-127
1330-20-7	Xylene (total)	75	74.2	99	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5223-BS	J0974765.D	1	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31780-4MS	J0974777.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4MSD	J0974778.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4	J0974774.D	10	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	FA31780-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	1080	86	1250	1250	100	15	50-147/21
71-43-2	Benzene	792		250	1020	91	250	1030	95	1	81-122/14
108-86-1	Bromobenzene	ND		250	241	96	250	262	105	8	80-121/14
74-97-5	Bromochloromethane	ND		250	260	104	250	283	113	8	76-123/14
75-27-4	Bromodichloromethane	ND		250	213	85	250	231	92	8	79-123/19
75-25-2	Bromoform	ND		250	137	55* [a]	250	168	67	20	66-123/21
78-93-3	2-Butanone (MEK)	ND		1250	972	78	1250	1130	90	15	56-143/18
104-51-8	n-Butylbenzene	10		250	270	104	250	284	110	5	79-126/16
135-98-8	sec-Butylbenzene	8.4	J	250	282	109	250	299	116	6	83-133/16
98-06-6	tert-Butylbenzene	ND		250	247	99	250	265	106	7	80-133/16
75-15-0	Carbon Disulfide	ND		250	222	89	250	214	86	4	66-148/23
56-23-5	Carbon Tetrachloride	ND		250	240	96	250	255	102	6	76-136/23
108-90-7	Chlorobenzene	ND		250	243	97	250	261	104	7	82-124/14
75-00-3	Chloroethane	ND		250	266	106	250	284	114	7	62-144/20
67-66-3	Chloroform	3.3	J	250	246	97	250	267	105	8	80-124/15
95-49-8	o-Chlorotoluene	ND		250	275	110	250	295	118	7	81-127/15
106-43-4	p-Chlorotoluene	ND		250	243	97	250	263	105	8	83-130/15
124-48-1	Dibromochloromethane	ND		250	169	68* [a]	250	192	77*	13	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	209	84	250	228	91	9	64-123/18
106-93-4	1,2-Dibromoethane	ND		250	221	88	250	249	100	12	75-120/13
75-71-8	Dichlorodifluoromethane	ND		250	275	110	250	287	115	4	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		250	244	98	250	265	106	8	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		250	253	101	250	274	110	8	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		250	241	96	250	261	104	8	78-120/15
75-34-3	1,1-Dichloroethane	ND		250	236	94	250	257	103	9	81-122/15
107-06-2	1,2-Dichloroethane	ND		250	207	83	250	232	93	11	75-125/14
75-35-4	1,1-Dichloroethylene	ND		250	249	100	250	270	108	8	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		250	229	92	250	250	100	9	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		250	253	101	250	270	108	7	76-127/17
78-87-5	1,2-Dichloropropane	ND		250	231	92	250	255	102	10	76-124/14
142-28-9	1,3-Dichloropropane	ND		250	212	85	250	239	96	12	80-118/13
594-20-7	2,2-Dichloropropane	ND		250	238	95	250	258	103	8	74-139/17
563-58-6	1,1-Dichloropropene	ND		250	240	96	250	257	103	7	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		250	207	83	250	213	85	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		250	230	92	250	242	97	5	80-120/22
100-41-4	Ethylbenzene	261		250	529	107	250	542	112	2	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31780-4MS	J0974777.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4MSD	J0974778.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4	J0974774.D	10	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Compound	FA31780-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	ND		250	244	98	250	261	104	7	75-142/19
591-78-6	2-Hexanone	ND		1250	974	78	1250	1140	91	16	61-129/18
98-82-8	Isopropylbenzene	40.8		250	285	98	250	304	105	6	83-132/15
99-87-6	p-Isopropyltoluene	4.2	J	250	234	92	250	249	98	6	79-130/16
74-83-9	Methyl Bromide	ND		250	242	97	250	258	103	6	59-143/19
74-87-3	Methyl Chloride	ND		250	228	91	250	248	99	8	50-159/19
74-88-4	Methyl Iodide	ND		250	275	110	250	294	118	7	73-123/16
74-95-3	Methylene Bromide	ND		250	229	92	250	258	103	12	78-119/14
75-09-2	Methylene Chloride	24.6	J	250	212	75	250	229	82	8	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1250	1020	82	1250	1180	94	15	66-122/16
1634-04-4	Methyl Tert Butyl Ether	40.7		250	272	93	250	302	105	10	72-117/14
91-20-3	Naphthalene	400		250	648	99	250	686	114	6	63-132/25
103-65-1	n-Propylbenzene	136		250	407	108	250	414	111	2	82-133/15
100-42-5	Styrene	ND		250	244	98	250	270	108	10	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	247	99	250	261	104	6	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	201	80	250	226	90	12	72-120/14
127-18-4	Tetrachloroethylene	ND		250	236	94	250	248	99	5	76-135/16
108-88-3	Toluene	165		250	398	93	250	415	100	4	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		250	230	92	250	250	100	8	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		250	239	96	250	254	102	6	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		250	231	92	250	251	100	8	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		250	231	92	250	250	100	8	76-119/14
79-01-6	Trichloroethylene	ND		250	263	105	250	290	116	10	81-126/15
75-69-4	Trichlorofluoromethane	ND		250	251	100	250	267	107	6	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		250	199	80	250	226	90	13	77-120/16
95-63-6	1,2,4-Trimethylbenzene	654		250	883	92	250	882	91	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	214		250	475	104	250	488	110	3	79-120/19
108-05-4	Vinyl Acetate	ND		1250	960	77	1250	1100	88	14	43-154/14
75-01-4	Vinyl Chloride	ND		250	258	103	250	269	108	4	69-159/18
	m,p-Xylene	928		500	1590	132* [a]	500	1600	134* [a]	1	79-126/15
95-47-6	o-Xylene	241		250	494	101	250	517	110	5	80-127/14
1330-20-7	Xylene (total)	1170		750	2080	121	750	2120	127* [a]	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA31780-4MS	J0974777.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4MSD	J0974778.D	10	03/02/16	DP	n/a	n/a	VJ5223
FA31780-4	J0974774.D	10	03/02/16	DP	n/a	n/a	VJ5223

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC44524-1, MC44524-2

CAS No.	Surrogate Recoveries	MS	MSD	FA31780-4	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	92%	79-125%
2037-26-5	Toluene-D8	98%	98%	100%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	93%	83-118%

(a) Outside DOD QSM control limits.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC44524
Account: ALNE Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC44524-1	J0974767.D	99	89	100	98
MC44524-2	J0974768.D	99	91	101	99
FA31780-4MS	J0974777.D	100	93	98	94
FA31780-4MSD	J0974778.D	101	94	98	95
VJ5223-BS	J0974765.D	101	92	100	97
VJ5223-MB	J0974766.D	100	91	101	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking #: 6595-2492 3494 | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job: MC44524

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technolgy Center West, BLDG One
City: Marlbourough, State: MA, Zip: 0175;
Project Contact: Frank D'Agostino, E-mail: Frank D'Agostino@accutest.
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): KGA, Phone:

Project Information

Project Name: Fort Devens, AOC50, Devens, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	SO4 by 300.	LAB USE ONLY
1	G6M-03-08X		2/24/16	3:10:00 PM	KGA	AQ	1					x				X	MA

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 3/7/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other COMMBN

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

SHIP to ALNJ - DOD
SO4 by 300

INITIAL ASESSMENT BF JA
LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		2-25-16	FEDEX			
2	FEDEX	2/26/16 9:25				
3						
4						
5						

Custody Seal #: [ ] Intact [ ] Not intact | Preserved where applicable: [ ] | On Ice: [ ] | Cooler Temp. 1.4°C

FP

11.1 11

MC44524: Chain of Custody
Page 1 of 2
Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: MC44524 **Client:** **Project:**

Date / Time Received: 2/26/2016 9:25:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.4);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

QC Evaluation: DOD QSM5 Limits

Job Number: MC44524
Account: Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA
Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC44524

General Chemistry

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP95969/GN41724	2.0	0.0	mg/l	80	81.9	102.4	90-110%
Fluoride	GP95969/GN41724	0.20	0.0	mg/l	2	2.07	103.5	90-110%
Sulfate	GP95969/GN41724	10	0.0	mg/l	80	82.9	103.6	90-110%

Associated Samples:
Batch GP95969: MC44524-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP95969/GN41724	JC14499-1	mg/l	70.8	70.5	0.4	0-20%
Fluoride	GP95969/GN41724	JC14499-1	mg/l	0.65	0.65	0.0	0-20%
Sulfate	GP95969/GN41724	JC14499-1	mg/l	88.8	88.4	0.5	0-20%

Associated Samples:
Batch GP95969: MC44524-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC44524
Account: ALNE - Accutest Labs of New England, Inc.
Project: HSMAW: Fort Devens, AOC50, Devens, MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP95969/GN41724	JC14499-1	mg/l	70.8	80	153	102.8	80-120%
Fluoride	GP95969/GN41724	JC14499-1	mg/l	0.65	2	2.8	107.5	80-120%
Sulfate	GP95969/GN41724	JC14499-1	mg/l	88.8	80	171	102.8	80-120%

Associated Samples:
Batch GP95969: MC44524-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

B.2

Spring 2016 LTM Event

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-126356-1
Client Project/Site: Moore Airfield - AOC 50

For:
KOMAN Government Solutions, LLC
160 East Main St
Suite 2F
Westborough, Massachusetts 01581

Attn: Laurie Ekes

Jerry Lanier

Authorized for release by:
6/30/2016 9:13:52 AM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Job ID: 680-126356-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: KOMAN Government Solutions, LLC

Project: Moore Airfield - AOC 50

Report Number: 680-126356-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 06/14/2016, 06/15/2016, 06/15/2016 and 06/16/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.1º C, 1.2º C, 1.8º C, 1.9º C and 2.7º C.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples G6M-02-01X_SPR16 (680-126356-1), G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-04-01X_SPR16 (680-126356-2), G6M-13-06X_SPR16 (680-126418-2), G6M-97-05B (680-126503-2), G6M-04-02X_SPR16 (680-126356-3), G6M-02-08X_SPR16 (680-126418-3), G6M-02-04X (680-126503-3), DUP-2 (680-126356-4), G6M-93-13X_SPR16 (680-126418-4), G6M-13-01X (680-126503-4), Trip Blank (680-126356-5), G6M-07-02X_SPR16 (680-126418-5), G6M-13-05X_SPR16 (680-126503-5), G6M-04-10X_SPR16 (680-126418-6), G6M-03-01X_SPR16 (680-126503-6), Trip Blank (680-126418-7), Trip Blank (680-126503-7), DUP-1 (680-126418-8), G6M-04-09X_SPR16 (680-126503-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/23/2016 and 06/24/2016.

1,2,3-Trichlorobenzene and Naphthalene exceeded the RPD limit for the MSD of sample 680-126428-9 in batch 680-438724.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples G6M-13-05X_SPR16 (680-126418-5)[10X] and G6M-07-02X_SPR16 (680-126418-5)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: G6M-02-08X_SPR16 (680-126418-3). Elevated reporting limits (RLs) are provided.

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

DISSOLVED GASES
Samples G6M-02-01X_SPR16 (680-126356-1), G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-13-06X_SPR16 (680-126418-2), G6M-02-08X_SPR16 (680-126418-3), G6M-07-02X_SPR16 (680-126418-5), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 06/22/2016 and 06/23/2016.

Ethylene and Methane (TCD) failed the recovery criteria low for the MS/MSD of sample G6M-13-06X_SPR16 (680-126418-2) in batch 680-438533.

Job ID: 680-126356-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-438533 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Methane in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Refer to the QC report for details.

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

METALS (ICP)

Samples G6M-02-01X_SPR16 (680-126356-1), G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-04-01X_SPR16 (680-126356-2), G6M-13-06X_SPR16 (680-126418-2), G6M-97-05B (680-126503-2), G6M-04-02X_SPR16 (680-126356-3), G6M-02-08X_SPR16 (680-126418-3), G6M-02-04X (680-126503-3), DUP-2 (680-126356-4), G6M-93-13X_SPR16 (680-126418-4), G6M-13-01X (680-126503-4), G6M-07-02X_SPR16 (680-126418-5), G6M-13-05X_SPR16 (680-126503-5), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8), G6M-04-09X_SPR16 (680-126503-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 06/17/2016 and 06/22/2016 and analyzed on 06/17/2016, 06/23/2016, 06/24/2016 and 06/25/2016.

The method blank for preparation batch 680-438434 and analytical batch 680-438803 contained iron above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Iron and Manganese failed the recovery criteria low for the MS/MSD of sample G6M-04-02X_SPR16 (680-126356-3) in batch 680-438008.

Iron and Manganese failed the recovery criteria low for the MS/MSD of sample G6M-13-06X_SPR16 (680-126418-2) in batch 680-438803.

Iron and Manganese failed the recovery criteria low for the MS/MSD of sample G6M-13-04X (680-126503-1) in batch 680-438803.

Refer to the QC report for details.

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

METALS (ICP-MS)

Samples G6M-02-01X_SPR16 (680-126356-1), G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-04-01X_SPR16 (680-126356-2), G6M-13-06X_SPR16 (680-126418-2), G6M-97-05B (680-126503-2), G6M-04-02X_SPR16 (680-126356-3), G6M-02-08X_SPR16 (680-126418-3), G6M-02-04X (680-126503-3), DUP-2 (680-126356-4), G6M-93-13X_SPR16 (680-126418-4), G6M-13-01X (680-126503-4), G6M-07-02X_SPR16 (680-126418-5), G6M-13-05X_SPR16 (680-126503-5), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8), G6M-04-09X_SPR16 (680-126503-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 06/17/2016 and 06/22/2016 and analyzed on 06/17/2016 and 06/23/2016.

Arsenic failed the recovery criteria high for the MSD of sample G6M-13-06X_SPR16MSD (680-126418-2) in batch 680-438909.

Arsenic failed the recovery criteria high for the MSD of sample G6M-13-04XMSD (680-126503-1) in batch 680-438794.

Refer to the QC report for details.

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

ALKALINITY

Samples G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-13-06X_SPR16 (680-126418-2), G6M-02-08X_SPR16 (680-126418-3), G6M-07-02X_SPR16 (680-126418-5), G6M-02-01X_SPR16 (680-126356-6), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 06/16/2016, 06/17/2016 and 06/24/2016.

Alkalinity was detected in method blanks MB 280-330180/32, MB 280-330180/5 , MB 280-330290/31 , MB 280-331190/5 at a level that

Job ID: 680-126356-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

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

NITRATE-NITRITE AS NITROGEN

Samples G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-13-06X_SPR16 (680-126418-2), G6M-02-08X_SPR16 (680-126418-3), G6M-07-02X_SPR16 (680-126418-5), G6M-02-01X_SPR16 (680-126356-6), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 06/21/2016.

Nitrate Nitrite as N failed the recovery criteria low for the MS/MSD of sample G6M-13-06X_SPR16 (680-126418-2) in batch 280-330731.

Refer to the QC report for details.

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

SULFIDE

Samples G6M-02-01X_SPR16 (680-126356-1), G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-13-06X_SPR16 (680-126418-2), G6M-02-08X_SPR16 (680-126418-3), G6M-07-02X_SPR16 (680-126418-5), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for sulfide in accordance with EPA SW846 Method 9034. The samples were analyzed on 06/19/2016.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples G6M-02-01X_SPR16 (680-126356-1), G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-13-06X_SPR16 (680-126418-2), G6M-02-08X_SPR16 (680-126418-3), G6M-07-02X_SPR16 (680-126418-5), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with SW 846 9056A. The samples were analyzed on 06/27/2016.

Sulfate failed the recovery criteria low for the MS/MSD of sample G6M-13-06X_SPR16 (680-126418-2) in batch 680-439027.

Refer to the QC report for details.

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

TOTAL ORGANIC CARBON

Samples G6M-04-10A_SPR16 (680-126418-1), G6M-13-04X (680-126503-1), G6M-13-06X_SPR16 (680-126418-2), G6M-02-08X_SPR16 (680-126418-3), G6M-07-02X_SPR16 (680-126418-5), G6M-02-01X_SPR16 (680-126356-6), G6M-04-10X_SPR16 (680-126418-6), DUP-1 (680-126418-8), G6M-04-09X_SPR16 (680-126503-8) and G6M-02-11X_SPR16 (680-126503-9) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 06/17/2016 and 06/21/2016.

Total Organic Carbon - Duplicates failed the recovery criteria low for the MS/MSD of sample G6M-13-06X_SPR16 (680-126418-2) in batch 280-330441.

Refer to the QC report for details.

Samples G6M-13-06X_SPR16 (680-126418-2)[4.55X], G6M-02-08X_SPR16 (680-126418-3)[100X] and DUP-1 (680-126418-8)[4.55X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Sample Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-126356-1	G6M-02-01X_SPR16	Water	06/13/16 12:20	06/14/16 09:18
680-126356-2	G6M-04-01X_SPR16	Water	06/13/16 10:50	06/14/16 09:18
680-126356-3	G6M-04-02X_SPR16	Water	06/13/16 14:10	06/14/16 09:18
680-126356-4	DUP-2	Water	06/13/16 00:00	06/14/16 09:18
680-126356-5	Trip Blank	Water	06/13/16 00:00	06/14/16 09:18
680-126356-6	G6M-02-01X_SPR16	Water	06/13/16 12:20	06/15/16 10:00
680-126418-1	G6M-04-10A_SPR16	Water	06/14/16 13:30	06/15/16 09:09
680-126418-2	G6M-13-06X_SPR16	Water	06/14/16 07:15	06/15/16 09:09
680-126418-3	G6M-02-08X_SPR16	Water	06/14/16 14:05	06/15/16 09:09
680-126418-4	G6M-93-13X_SPR16	Water	06/14/16 10:15	06/15/16 09:09
680-126418-5	G6M-07-02X_SPR16	Water	06/14/16 12:50	06/15/16 09:09
680-126418-6	G6M-04-10X_SPR16	Water	06/14/16 11:40	06/15/16 09:09
680-126418-7	Trip Blank	Water	06/14/16 00:00	06/15/16 09:09
680-126418-8	DUP-1	Water	06/14/16 00:00	06/15/16 09:09
680-126503-1	G6M-13-04X	Water	06/15/16 12:20	06/16/16 09:15
680-126503-2	G6M-97-05B	Water	06/15/16 09:55	06/16/16 09:15
680-126503-3	G6M-02-04X	Water	06/15/16 14:50	06/16/16 09:15
680-126503-4	G6M-13-01X	Water	06/15/16 11:00	06/16/16 09:15
680-126503-5	G6M-13-05X_SPR16	Water	06/15/16 07:35	06/16/16 09:15
680-126503-6	G6M-03-01X_SPR16	Water	06/15/16 12:20	06/16/16 09:15
680-126503-7	Trip Blank	Water	06/15/16 00:00	06/16/16 09:15
680-126503-8	G6M-04-09X_SPR16	Water	06/15/16 10:10	06/16/16 09:15
680-126503-9	G6M-02-11X_SPR16	Water	06/15/16 14:20	06/16/16 09:15

Method Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9056A	Anions, Ion Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL DEN
SM 2320B	Alkalinity	SM	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
D	The reported value is from a dilution.

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

HPLC/IC

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
M	Manual integrated compound.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Metals

Qualifier	Qualifier Description
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.

General Chemistry

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: G6M-02-01X_SPR16
Date Collected: 06/13/16 12:20
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**8.3**	**J**	10	10	7.0	ug/L		06/23/16 10:54	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:54	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:54	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:54	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
2-Butanone (MEK)	**16**		10	10	3.4	ug/L		06/23/16 10:54	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 10:54	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:54	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 10:54	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:54	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 10:54	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:54	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 10:54	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 10:54	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 10:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 10:54	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 10:54	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 10:54	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:54	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:54	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 10:54	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 10:54	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 10:54	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 10:54	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:54	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 10:54	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 10:54	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 10:54	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 10:54	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:54	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 10:54	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:54	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 10:54	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 10:54	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 10:54	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 10:54	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 10:54	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 10:54	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 10:54	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 10:54	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 10:54	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 10:54	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:54	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 10:54	1

Client Sample ID: G6M-02-01X_SPR16
Date Collected: 06/13/16 12:20
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:54	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 10:54	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 10:54	1
Toluene	**0.80**	**J**	1.0	1.0	0.48	ug/L		06/23/16 10:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:54	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:54	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:54	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:54	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 10:54	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:54	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 10:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 10:54	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 10:54	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 10:54	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:54	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/23/16 10:54*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*06/23/16 10:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 118*		*06/23/16 10:54*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 10:54*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/22/16 22:38	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/22/16 22:38	1
Methane (TCD)	**22000**		390	77	39	ug/L		06/22/16 22:38	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 13:05	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**100000**		50	50	17	ug/L		06/17/16 18:43	1
Manganese	**2700**		10	3.0	1.0	ug/L		06/17/16 18:43	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**450**		3.0	3.0	1.5	ug/L		06/17/16 21:32	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-04-01X_SPR16
Date Collected: 06/13/16 10:50
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 11:14	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:14	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:14	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:14	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 11:14	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 11:14	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:14	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 11:14	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:14	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 11:14	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:14	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 11:14	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 11:14	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 11:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 11:14	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 11:14	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 11:14	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:14	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:14	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 11:14	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 11:14	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 11:14	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 11:14	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:14	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 11:14	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 11:14	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 11:14	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 11:14	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:14	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 11:14	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:14	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 11:14	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 11:14	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 11:14	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:14	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 11:14	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 11:14	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 11:14	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 11:14	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 11:14	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 11:14	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:14	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 11:14	1

Client Sample ID: G6M-04-01X_SPR16

Date Collected: 06/13/16 10:50
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:14	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 11:14	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 11:14	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:14	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:14	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:14	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:14	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:14	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:14	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 11:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 11:14	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 11:14	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 11:14	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:14	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*06/23/16 11:14*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*06/23/16 11:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*81 - 118*		*06/23/16 11:14*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 11:14*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**80000**		50	50	17	ug/L		06/17/16 18:48	1
Manganese	**19000**		10	3.0	1.0	ug/L		06/17/16 18:48	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**380**		3.0	3.0	1.5	ug/L		06/17/16 21:37	1

Client Sample ID: G6M-04-02X_SPR16

Date Collected: 06/13/16 14:10
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 10:13	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:13	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:13	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:13	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 10:13	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 10:13	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:13	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 10:13	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-04-02X_SPR16
Date Collected: 06/13/16 14:10
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:13	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 10:13	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:13	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 10:13	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 10:13	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:13	1
cis-1,2-Dichloroethene	**23**		1.0	1.0	0.41	ug/L		06/23/16 10:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 10:13	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 10:13	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 10:13	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:13	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:13	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 10:13	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 10:13	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 10:13	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 10:13	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:13	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 10:13	1
1,2-Dichloroethene, Total	**24**		2.0	1.0	0.74	ug/L		06/23/16 10:13	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 10:13	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 10:13	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:13	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 10:13	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:13	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 10:13	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 10:13	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 10:13	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 10:13	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 10:13	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 10:13	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 10:13	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 10:13	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 10:13	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 10:13	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:13	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 10:13	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:13	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 10:13	1
Tetrachloroethene	**120**		1.0	1.0	0.74	ug/L		06/23/16 10:13	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 10:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:13	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:13	1

Client Sample ID: G6M-04-02X_SPR16

Lab Sample ID: 680-126356-3

Date Collected: 06/13/16 14:10

Matrix: Water

Date Received: 06/14/16 09:18

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:13	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:13	1
Trichloroethene	**48**		1.0	1.0	0.48	ug/L		06/23/16 10:13	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:13	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 10:13	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 10:13	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 10:13	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 10:13	1
Vinyl chloride	**3.4**		1.0	1.0	0.50	ug/L		06/23/16 10:13	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/23/16 10:13*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*06/23/16 10:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*81 - 118*		*06/23/16 10:13*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/23/16 10:13*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**44000**	**J**	50	50	17	ug/L		06/17/16 15:36	1
Manganese	**8000**	**J**	10	3.0	1.0	ug/L		06/17/16 15:36	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**200**		3.0	3.0	1.5	ug/L		06/17/16 21:08	1

Client Sample ID: DUP-2

Lab Sample ID: 680-126356-4

Date Collected: 06/13/16 00:00

Matrix: Water

Date Received: 06/14/16 09:18

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 11:35	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:35	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:35	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:35	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 11:35	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 11:35	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:35	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 11:35	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:35	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 11:35	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:35	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 11:35	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 11:35	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:35	1
cis-1,2-Dichloroethene	**25**		1.0	1.0	0.41	ug/L		06/23/16 11:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 11:35	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: DUP-2
Date Collected: 06/13/16 00:00
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 11:35	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 11:35	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:35	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:35	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 11:35	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 11:35	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 11:35	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 11:35	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:35	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 11:35	1
1,2-Dichloroethene, Total	**25**		2.0	1.0	0.74	ug/L		06/23/16 11:35	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 11:35	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 11:35	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:35	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 11:35	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:35	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 11:35	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 11:35	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 11:35	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:35	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 11:35	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 11:35	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 11:35	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 11:35	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 11:35	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 11:35	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:35	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 11:35	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 11:35	1
Tetrachloroethene	**100**		1.0	1.0	0.74	ug/L		06/23/16 11:35	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:35	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:35	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:35	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:35	1
Trichloroethene	**48**		1.0	1.0	0.48	ug/L		06/23/16 11:35	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:35	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 11:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 11:35	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 11:35	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 11:35	1
Vinyl chloride	**3.2**		1.0	1.0	0.50	ug/L		06/23/16 11:35	1

Client Sample ID: DUP-2

Lab Sample ID: 680-126356-4
Date Collected: 06/13/16 00:00
Matrix: Water
Date Received: 06/14/16 09:18

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*06/23/16 11:35*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*06/23/16 11:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*81 - 118*		*06/23/16 11:35*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*06/23/16 11:35*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**42000**		50	50	17	ug/L		06/17/16 19:02	1
Manganese	**7900**		10	3.0	1.0	ug/L		06/17/16 19:02	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**200**		3.0	3.0	1.5	ug/L		06/17/16 21:43	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126356-5
Date Collected: 06/13/16 00:00
Matrix: Water
Date Received: 06/14/16 09:18

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 09:32	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:32	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:32	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:32	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 09:32	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 09:32	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:32	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 09:32	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:32	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 09:32	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:32	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 09:32	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 09:32	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 09:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 09:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 09:32	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 09:32	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:32	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:32	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 09:32	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 09:32	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 09:32	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 09:32	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:32	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: Trip Blank
Date Collected: 06/13/16 00:00
Date Received: 06/14/16 09:18

Lab Sample ID: 680-126356-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 09:32	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 09:32	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 09:32	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 09:32	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:32	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 09:32	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:32	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 09:32	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 09:32	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 09:32	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:32	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 09:32	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 09:32	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 09:32	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 09:32	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 09:32	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 09:32	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:32	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 09:32	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 09:32	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 09:32	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:32	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:32	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:32	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:32	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:32	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:32	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 09:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 09:32	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 09:32	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 09:32	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:32	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/23/16 09:32*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*06/23/16 09:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 118*		*06/23/16 09:32*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 09:32*	*1*

Client Sample ID: G6M-02-01X_SPR16

Lab Sample ID: 680-126356-6
Date Collected: 06/13/16 12:20
Matrix: Water
Date Received: 06/15/16 10:00

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.021	J	0.10	0.050	0.019	mg/L		06/21/16 13:05	1
Total Organic Carbon - Duplicates	7.7		1.0	0.50	0.16	mg/L		06/17/16 16:10	1
Alkalinity	150		5.0	3.2	1.1	mg/L		06/16/16 15:11	1

Client Sample ID: G6M-04-10A_SPR16

Lab Sample ID: 680-126418-1
Date Collected: 06/14/16 13:30
Matrix: Water
Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 11:55	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:55	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:55	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:55	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 11:55	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 11:55	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:55	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 11:55	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:55	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 11:55	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:55	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 11:55	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 11:55	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:55	1
cis-1,2-Dichloroethene	1.1		1.0	1.0	0.41	ug/L		06/23/16 11:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 11:55	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 11:55	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 11:55	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:55	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 11:55	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 11:55	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 11:55	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 11:55	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 11:55	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 11:55	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 11:55	1
1,2-Dichloroethene, Total	1.1	J	2.0	1.0	0.74	ug/L		06/23/16 11:55	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 11:55	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 11:55	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:55	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 11:55	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:55	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 11:55	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 11:55	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 11:55	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:55	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1

Client Sample ID: G6M-04-10A_SPR16
Date Collected: 06/14/16 13:30
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 11:55	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 11:55	1
m-Xylene & p-Xylene	**0.37**	**J**	1.0	1.0	0.35	ug/L		06/23/16 11:55	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 11:55	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 11:55	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 11:55	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:55	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 11:55	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 11:55	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 11:55	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 11:55	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 11:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:55	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 11:55	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 11:55	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 11:55	1
Trichloroethene	**0.64**	**J**	1.0	1.0	0.48	ug/L		06/23/16 11:55	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 11:55	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 11:55	1
1,2,4-Trimethylbenzene	**0.47**	**J**	1.0	1.0	0.47	ug/L		06/23/16 11:55	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 11:55	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 11:55	1
Vinyl chloride	**4.0**		1.0	1.0	0.50	ug/L		06/23/16 11:55	1
Xylenes, Total	**0.37**	**J**	2.0	0.50	0.23	ug/L		06/23/16 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*06/23/16 11:55*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*06/23/16 11:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*81 - 118*		*06/23/16 11:55*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 11:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/22/16 23:16	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/22/16 23:16	1
Methane (TCD)	**13000**		390	77	39	ug/L		06/22/16 23:16	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**7.3**	**M**	1.0	0.80	0.40	mg/L		06/27/16 13:23	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**82000**		50	50	17	ug/L		06/17/16 19:58	1
Manganese	**1700**		10	3.0	1.0	ug/L		06/17/16 19:58	1

Client Sample ID: G6M-04-10A_SPR16

Lab Sample ID: 680-126418-1

Date Collected: 06/14/16 13:30

Matrix: Water

Date Received: 06/15/16 09:09

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**220**		3.0	3.0	1.5	ug/L		06/17/16 21:58	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 13:07	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**10**		1.0	0.50	0.16	mg/L		06/17/16 16:27	1
Alkalinity	**190**		5.0	3.2	1.1	mg/L		06/16/16 15:16	1

Client Sample ID: G6M-13-06X_SPR16

Lab Sample ID: 680-126418-2

Date Collected: 06/14/16 07:15

Matrix: Water

Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**100**		10	10	7.0	ug/L		06/23/16 10:33	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:33	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:33	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:33	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
2-Butanone (MEK)	**520**		10	10	3.4	ug/L		06/23/16 10:33	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 10:33	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:33	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 10:33	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:33	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 10:33	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:33	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 10:33	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 10:33	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:33	1
cis-1,2-Dichloroethene	**1.9**		1.0	1.0	0.41	ug/L		06/23/16 10:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 10:33	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 10:33	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 10:33	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:33	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 10:33	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 10:33	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 10:33	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 10:33	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 10:33	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 10:33	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 10:33	1
1,2-Dichloroethene, Total	**2.5**		2.0	1.0	0.74	ug/L		06/23/16 10:33	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 10:33	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 10:33	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:33	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 10:33	1
Ethylbenzene	**16**		1.0	1.0	0.33	ug/L		06/23/16 10:33	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 10:33	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-06X_SPR16
Date Collected: 06/14/16 07:15
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 10:33	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 10:33	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 10:33	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 10:33	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 10:33	1
m-Xylene & p-Xylene	**0.46**	**J**	1.0	1.0	0.35	ug/L		06/23/16 10:33	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 10:33	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 10:33	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 10:33	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:33	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 10:33	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 10:33	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 10:33	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 10:33	1
Toluene	**3.0**		1.0	1.0	0.48	ug/L		06/23/16 10:33	1
trans-1,2-Dichloroethene	**0.59**	**J**	1.0	1.0	0.37	ug/L		06/23/16 10:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:33	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 10:33	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 10:33	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 10:33	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 10:33	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 10:33	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 10:33	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 10:33	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 10:33	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 10:33	1
Vinyl chloride	**4.2**		1.0	1.0	0.50	ug/L		06/23/16 10:33	1
Xylenes, Total	**0.46**	**J**	2.0	0.50	0.23	ug/L		06/23/16 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*06/23/16 10:33*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*06/23/16 10:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*81 - 118*		*06/23/16 10:33*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 10:33*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/22/16 23:29	1
Ethylene	**41**	**J**	1.0	1.0	0.50	ug/L		06/22/16 23:29	1
Methane (TCD)	**13000**	**J**	390	77	39	ug/L		06/22/16 23:29	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U J	1.0	0.80	0.40	mg/L		06/27/16 11:56	1

Client Sample ID: G6M-13-06X_SPR16

Lab Sample ID: 680-126418-2
Date Collected: 06/14/16 07:15
Matrix: Water
Date Received: 06/15/16 09:09

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**280000**	**J B**	50	50	17	ug/L		06/23/16 22:52	1
Manganese	**18000**	**J**	10	3.0	1.0	ug/L		06/23/16 22:52	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**490**	**J**	3.0	3.0	1.5	ug/L		06/23/16 12:01	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U J	0.10	0.050	0.019	mg/L		06/21/16 13:09	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**150**	**J**	4.6	2.3	0.71	mg/L		06/17/16 16:43	4.55
Alkalinity	**640**		5.0	3.2	1.1	mg/L		06/16/16 15:23	1

Client Sample ID: G6M-02-08X_SPR16

Lab Sample ID: 680-126418-3
Date Collected: 06/14/16 14:05
Matrix: Water
Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**230**	**D**	100	100	70	ug/L		06/23/16 13:17	10
Benzene	10	U	10	10	4.3	ug/L		06/23/16 13:17	10
Bromobenzene	10	U	10	10	5.0	ug/L		06/23/16 13:17	10
Bromoform	10	U	10	10	4.3	ug/L		06/23/16 13:17	10
Bromomethane	50	U	50	50	25	ug/L		06/23/16 13:17	10
2-Butanone (MEK)	**980**	**D**	100	100	34	ug/L		06/23/16 13:17	10
Carbon disulfide	20	U	20	20	4.3	ug/L		06/23/16 13:17	10
Carbon tetrachloride	10	U	10	10	3.3	ug/L		06/23/16 13:17	10
Chlorobenzene	5.0	U	10	5.0	2.6	ug/L		06/23/16 13:17	10
Chlorobromomethane	10	U	10	10	4.5	ug/L		06/23/16 13:17	10
Chlorodibromomethane	10	U	10	10	3.2	ug/L		06/23/16 13:17	10
Chloroethane	50	U	50	50	25	ug/L		06/23/16 13:17	10
Chloroform	10	U	10	10	5.0	ug/L		06/23/16 13:17	10
Chloromethane	10	U	10	10	4.0	ug/L		06/23/16 13:17	10
2-Chlorotoluene	5.0	U	10	5.0	2.7	ug/L		06/23/16 13:17	10
4-Chlorotoluene	10	U	10	10	4.5	ug/L		06/23/16 13:17	10
cis-1,2-Dichloroethene	**35**	**D**	10	10	4.1	ug/L		06/23/16 13:17	10
cis-1,3-Dichloropropene	10	U	10	10	4.0	ug/L		06/23/16 13:17	10
1,2-Dibromo-3-Chloropropane	20	U	50	20	11	ug/L		06/23/16 13:17	10
Dibromomethane	10	U	10	10	3.5	ug/L		06/23/16 13:17	10
1,2-Dichlorobenzene	10	U	10	10	3.7	ug/L		06/23/16 13:17	10
1,3-Dichlorobenzene	10	U	10	10	4.3	ug/L		06/23/16 13:17	10
1,4-Dichlorobenzene	10	U	10	10	4.6	ug/L		06/23/16 13:17	10
Dichlorobromomethane	10	U	10	10	4.4	ug/L		06/23/16 13:17	10
Dichlorodifluoromethane	10	U	10	10	6.0	ug/L		06/23/16 13:17	10
1,1-Dichloroethane	10	U	10	10	3.8	ug/L		06/23/16 13:17	10
1,2-Dichloroethane	10	U	10	10	5.0	ug/L		06/23/16 13:17	10
1,1-Dichloroethene	10	U	10	10	3.6	ug/L		06/23/16 13:17	10
1,2-Dichloroethene, Total	**35**	**D**	20	10	7.4	ug/L		06/23/16 13:17	10
1,2-Dichloropropane	10	U	10	10	6.7	ug/L		06/23/16 13:17	10

Client Sample ID: G6M-02-08X_SPR16
Date Collected: 06/14/16 14:05
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	10	U	10	10	3.4	ug/L		06/23/16 13:17	10
2,2-Dichloropropane	10	U	10	10	3.7	ug/L		06/23/16 13:17	10
1,1-Dichloropropene	10	U	10	10	3.4	ug/L		06/23/16 13:17	10
Ethylbenzene	10	U	10	10	3.3	ug/L		06/23/16 13:17	10
Ethylene Dibromide	10	U	10	10	4.4	ug/L		06/23/16 13:17	10
Hexachlorobutadiene	50	U	50	50	25	ug/L		06/23/16 13:17	10
2-Hexanone	**23**	**J D**	100	50	20	ug/L		06/23/16 13:17	10
Isopropylbenzene	5.0	U	10	5.0	3.5	ug/L		06/23/16 13:17	10
4-Isopropyltoluene	10	U	10	10	4.8	ug/L		06/23/16 13:17	10
Methylene Chloride	50	U	50	50	25	ug/L		06/23/16 13:17	10
4-Methyl-2-pentanone (MIBK)	50	U	100	50	21	ug/L		06/23/16 13:17	10
Methyl tert-butyl ether	5.0	U	100	5.0	3.0	ug/L		06/23/16 13:17	10
m-Xylene & p-Xylene	10	U	10	10	3.5	ug/L		06/23/16 13:17	10
Naphthalene	50	U	50	50	25	ug/L		06/23/16 13:17	10
n-Butylbenzene	10	U	10	10	4.7	ug/L		06/23/16 13:17	10
N-Propylbenzene	10	U	10	10	3.8	ug/L		06/23/16 13:17	10
o-Xylene	5.0	U	10	5.0	2.3	ug/L		06/23/16 13:17	10
sec-Butylbenzene	10	U	10	10	4.2	ug/L		06/23/16 13:17	10
Styrene	5.0	U	10	5.0	2.7	ug/L		06/23/16 13:17	10
tert-Butylbenzene	10	U	10	10	4.5	ug/L		06/23/16 13:17	10
1,1,1,2-Tetrachloroethane	10	U	10	10	3.7	ug/L		06/23/16 13:17	10
1,1,2,2-Tetrachloroethane	10	U	10	10	6.2	ug/L		06/23/16 13:17	10
Tetrachloroethene	10	U	10	10	7.4	ug/L		06/23/16 13:17	10
Toluene	**180**	**D**	10	10	4.8	ug/L		06/23/16 13:17	10
trans-1,2-Dichloroethene	10	U	10	10	3.7	ug/L		06/23/16 13:17	10
trans-1,3-Dichloropropene	10	U	10	10	4.2	ug/L		06/23/16 13:17	10
1,2,3-Trichlorobenzene	50	U	50	50	25	ug/L		06/23/16 13:17	10
1,2,4-Trichlorobenzene	50	U	50	50	25	ug/L		06/23/16 13:17	10
1,1,1-Trichloroethane	10	U	10	10	3.7	ug/L		06/23/16 13:17	10
1,1,2-Trichloroethane	10	U	10	10	3.3	ug/L		06/23/16 13:17	10
Trichloroethene	10	U	10	10	4.8	ug/L		06/23/16 13:17	10
Trichlorofluoromethane	10	U	10	10	4.2	ug/L		06/23/16 13:17	10
1,2,3-Trichloropropane	10	U	10	10	3.9	ug/L		06/23/16 13:17	10
1,2,4-Trimethylbenzene	10	U	10	10	4.7	ug/L		06/23/16 13:17	10
1,3,5-Trimethylbenzene	10	U	10	10	3.1	ug/L		06/23/16 13:17	10
Vinyl acetate	10	U	20	10	8.1	ug/L		06/23/16 13:17	10
Vinyl chloride	10	U	10	10	5.0	ug/L		06/23/16 13:17	10
Xylenes, Total	5.0	U	20	5.0	2.3	ug/L		06/23/16 13:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*06/23/16 13:17*	*10*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*06/23/16 13:17*	*10*
1,2-Dichloroethane-d4 (Surr)	*90*		*81 - 118*		*06/23/16 13:17*	*10*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 13:17*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**2.8**		1.1	1.1	0.55	ug/L		06/23/16 00:08	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 00:08	1
Methane (TCD)	**19000**		390	77	39	ug/L		06/23/16 00:08	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.3	M	1.0	0.80	0.40	mg/L		06/27/16 13:40	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	1200000	D B	2500	2500	850	ug/L		06/25/16 10:39	50
Manganese	8000		10	3.0	1.0	ug/L		06/23/16 23:28	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	220		3.0	3.0	1.5	ug/L		06/23/16 12:27	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 13:15	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	2600		100	50	16	mg/L		06/21/16 02:38	100
Alkalinity	1200	B	5.0	3.2	1.1	mg/L		06/24/16 08:53	1

Client Sample ID: G6M-93-13X_SPR16

Lab Sample ID: 680-126418-4

Date Collected: 06/14/16 10:15

Matrix: Water

Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 12:15	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:15	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:15	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:15	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 12:15	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 12:15	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:15	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 12:15	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:15	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 12:15	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:15	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 12:15	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 12:15	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 12:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 12:15	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 12:15	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 12:15	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:15	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:15	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 12:15	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 12:15	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 12:15	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 12:15	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:15	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 12:15	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 12:15	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 12:15	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-93-13X_SPR16
Date Collected: 06/14/16 10:15
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 12:15	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:15	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 12:15	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:15	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 12:15	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 12:15	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 12:15	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:15	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 12:15	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 12:15	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 12:15	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 12:15	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 12:15	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 12:15	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:15	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 12:15	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 12:15	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 12:15	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:15	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:15	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:15	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:15	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:15	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:15	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 12:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 12:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 12:15	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 12:15	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:15	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/23/16 12:15*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*06/23/16 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 118*		*06/23/16 12:15*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/23/16 12:15*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**45**	**J**	50	50	17	ug/L		06/17/16 20:03	1
Manganese	**130**		10	3.0	1.0	ug/L		06/17/16 20:03	1

Client Sample ID: G6M-93-13X_SPR16

Lab Sample ID: 680-126418-4

Date Collected: 06/14/16 10:15

Matrix: Water

Date Received: 06/15/16 09:09

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/17/16 22:03	1

Client Sample ID: G6M-07-02X_SPR16

Lab Sample ID: 680-126418-5

Date Collected: 06/14/16 12:50

Matrix: Water

Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	200	U	200	200	140	ug/L		06/23/16 13:37	20
Benzene	20	U	20	20	8.6	ug/L		06/23/16 13:37	20
Bromobenzene	20	U	20	20	10	ug/L		06/23/16 13:37	20
Bromoform	20	U	20	20	8.6	ug/L		06/23/16 13:37	20
Bromomethane	100	U	100	100	50	ug/L		06/23/16 13:37	20
2-Butanone (MEK)	200	U	200	200	68	ug/L		06/23/16 13:37	20
Carbon disulfide	40	U	40	40	8.6	ug/L		06/23/16 13:37	20
Carbon tetrachloride	20	U	20	20	6.6	ug/L		06/23/16 13:37	20
Chlorobenzene	10	U	20	10	5.2	ug/L		06/23/16 13:37	20
Chlorobromomethane	20	U	20	20	9.0	ug/L		06/23/16 13:37	20
Chlorodibromomethane	20	U	20	20	6.4	ug/L		06/23/16 13:37	20
Chloroethane	100	U	100	100	50	ug/L		06/23/16 13:37	20
Chloroform	20	U	20	20	10	ug/L		06/23/16 13:37	20
Chloromethane	20	U	20	20	8.0	ug/L		06/23/16 13:37	20
2-Chlorotoluene	10	U	20	10	5.4	ug/L		06/23/16 13:37	20
4-Chlorotoluene	20	U	20	20	9.0	ug/L		06/23/16 13:37	20
cis-1,2-Dichloroethene	20	U	20	20	8.2	ug/L		06/23/16 13:37	20
cis-1,3-Dichloropropene	20	U	20	20	8.0	ug/L		06/23/16 13:37	20
1,2-Dibromo-3-Chloropropane	40	U	100	40	22	ug/L		06/23/16 13:37	20
Dibromomethane	20	U	20	20	7.0	ug/L		06/23/16 13:37	20
1,2-Dichlorobenzene	20	U	20	20	7.4	ug/L		06/23/16 13:37	20
1,3-Dichlorobenzene	20	U	20	20	8.6	ug/L		06/23/16 13:37	20
1,4-Dichlorobenzene	20	U	20	20	9.2	ug/L		06/23/16 13:37	20
Dichlorobromomethane	20	U	20	20	8.8	ug/L		06/23/16 13:37	20
Dichlorodifluoromethane	20	U	20	20	12	ug/L		06/23/16 13:37	20
1,1-Dichloroethane	20	U	20	20	7.6	ug/L		06/23/16 13:37	20
1,2-Dichloroethane	20	U	20	20	10	ug/L		06/23/16 13:37	20
1,1-Dichloroethene	20	U	20	20	7.2	ug/L		06/23/16 13:37	20
1,2-Dichloroethene, Total	20	U	40	20	15	ug/L		06/23/16 13:37	20
1,2-Dichloropropane	20	U	20	20	13	ug/L		06/23/16 13:37	20
1,3-Dichloropropane	20	U	20	20	6.8	ug/L		06/23/16 13:37	20
2,2-Dichloropropane	20	U	20	20	7.4	ug/L		06/23/16 13:37	20
1,1-Dichloropropene	20	U	20	20	6.8	ug/L		06/23/16 13:37	20
Ethylbenzene	20	U	20	20	6.6	ug/L		06/23/16 13:37	20
Ethylene Dibromide	20	U	20	20	8.8	ug/L		06/23/16 13:37	20
Hexachlorobutadiene	100	U	100	100	50	ug/L		06/23/16 13:37	20
2-Hexanone	100	U	200	100	40	ug/L		06/23/16 13:37	20
Isopropylbenzene	10	U	20	10	7.0	ug/L		06/23/16 13:37	20
4-Isopropyltoluene	20	U	20	20	9.6	ug/L		06/23/16 13:37	20
Methylene Chloride	100	U	100	100	50	ug/L		06/23/16 13:37	20
4-Methyl-2-pentanone (MIBK)	100	U	200	100	42	ug/L		06/23/16 13:37	20
Methyl tert-butyl ether	10	U	200	10	6.0	ug/L		06/23/16 13:37	20

Client Sample ID: G6M-07-02X_SPR16
Date Collected: 06/14/16 12:50
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
m-Xylene & p-Xylene	20	U	20	20	7.0	ug/L		06/23/16 13:37	20
Naphthalene	100	U	100	100	50	ug/L		06/23/16 13:37	20
n-Butylbenzene	20	U	20	20	9.4	ug/L		06/23/16 13:37	20
N-Propylbenzene	20	U	20	20	7.6	ug/L		06/23/16 13:37	20
o-Xylene	10	U	20	10	4.6	ug/L		06/23/16 13:37	20
sec-Butylbenzene	20	U	20	20	8.4	ug/L		06/23/16 13:37	20
Styrene	10	U	20	10	5.4	ug/L		06/23/16 13:37	20
tert-Butylbenzene	20	U	20	20	9.0	ug/L		06/23/16 13:37	20
1,1,1,2-Tetrachloroethane	20	U	20	20	7.4	ug/L		06/23/16 13:37	20
1,1,2,2-Tetrachloroethane	20	U	20	20	12	ug/L		06/23/16 13:37	20
Tetrachloroethene	**1400**	**D**	20	20	15	ug/L		06/23/16 13:37	20
Toluene	20	U	20	20	9.6	ug/L		06/23/16 13:37	20
trans-1,2-Dichloroethene	20	U	20	20	7.4	ug/L		06/23/16 13:37	20
trans-1,3-Dichloropropene	20	U	20	20	8.4	ug/L		06/23/16 13:37	20
1,2,3-Trichlorobenzene	100	U	100	100	50	ug/L		06/23/16 13:37	20
1,2,4-Trichlorobenzene	100	U	100	100	50	ug/L		06/23/16 13:37	20
1,1,1-Trichloroethane	20	U	20	20	7.4	ug/L		06/23/16 13:37	20
1,1,2-Trichloroethane	20	U	20	20	6.6	ug/L		06/23/16 13:37	20
Trichloroethene	**10**	**J D**	20	20	9.6	ug/L		06/23/16 13:37	20
Trichlorofluoromethane	20	U	20	20	8.4	ug/L		06/23/16 13:37	20
1,2,3-Trichloropropane	20	U	20	20	7.8	ug/L		06/23/16 13:37	20
1,2,4-Trimethylbenzene	20	U	20	20	9.4	ug/L		06/23/16 13:37	20
1,3,5-Trimethylbenzene	20	U	20	20	6.2	ug/L		06/23/16 13:37	20
Vinyl acetate	20	U	40	20	16	ug/L		06/23/16 13:37	20
Vinyl chloride	20	U	20	20	10	ug/L		06/23/16 13:37	20
Xylenes, Total	10	U	40	10	4.6	ug/L		06/23/16 13:37	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*06/23/16 13:37*	*20*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*06/23/16 13:37*	*20*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 118*		*06/23/16 13:37*	*20*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 13:37*	*20*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/23/16 00:20	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 00:20	1
Methane (TCD)	**970**		390	77	39	ug/L		06/23/16 00:20	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**6.6**	**M**	1.0	0.80	0.40	mg/L		06/27/16 13:58	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**110**		50	50	17	ug/L		06/17/16 20:08	1
Manganese	**37**		10	3.0	1.0	ug/L		06/17/16 20:08	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/17/16 22:08	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 13:17	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**1.2**		1.0	0.50	0.16	mg/L		06/17/16 18:15	1
Alkalinity	**12**		5.0	3.2	1.1	mg/L		06/16/16 15:37	1

Client Sample ID: G6M-04-10X_SPR16

Lab Sample ID: 680-126418-6

Date Collected: 06/14/16 11:40

Matrix: Water

Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 12:36	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:36	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:36	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:36	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 12:36	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 12:36	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:36	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 12:36	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:36	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 12:36	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:36	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 12:36	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 12:36	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 12:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 12:36	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 12:36	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 12:36	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:36	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:36	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 12:36	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 12:36	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 12:36	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 12:36	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:36	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 12:36	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 12:36	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 12:36	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 12:36	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:36	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 12:36	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:36	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 12:36	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 12:36	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 12:36	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:36	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 12:36	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 12:36	1

Client Sample ID: G6M-04-10X_SPR16

Date Collected: 06/14/16 11:40
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 12:36	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 12:36	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 12:36	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 12:36	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:36	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 12:36	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:36	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 12:36	1
Tetrachloroethene	**3.0**		1.0	1.0	0.74	ug/L		06/23/16 12:36	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:36	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:36	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:36	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:36	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:36	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:36	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 12:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 12:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 12:36	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 12:36	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:36	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/23/16 12:36*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*06/23/16 12:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 118*		*06/23/16 12:36*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/23/16 12:36*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**5.3**		1.1	1.1	0.55	ug/L		06/23/16 00:33	1
Ethylene	**5.1**		1.0	1.0	0.50	ug/L		06/23/16 00:33	1
Methane	**27**		0.58	0.58	0.29	ug/L		06/23/16 00:33	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**35**	**M**	1.0	0.80	0.40	mg/L		06/27/16 14:15	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**73**		50	50	17	ug/L		06/17/16 20:12	1
Manganese	**330**		10	3.0	1.0	ug/L		06/17/16 20:12	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/17/16 22:13	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	1.0		0.10	0.050	0.019	mg/L		06/21/16 13:19	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	0.63	J	1.0	0.50	0.16	mg/L		06/17/16 18:59	1
Alkalinity	9.4		5.0	3.2	1.1	mg/L		06/16/16 15:41	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126418-7

Date Collected: 06/14/16 00:00

Matrix: Water

Date Received: 06/15/16 09:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 09:53	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:53	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:53	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:53	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 09:53	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 09:53	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:53	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 09:53	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:53	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 09:53	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:53	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 09:53	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 09:53	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 09:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 09:53	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 09:53	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 09:53	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:53	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:53	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 09:53	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 09:53	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 09:53	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 09:53	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:53	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 09:53	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 09:53	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 09:53	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 09:53	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:53	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 09:53	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:53	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 09:53	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 09:53	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 09:53	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:53	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 09:53	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 09:53	1

Client Sample ID: Trip Blank

Date Collected: 06/14/16 00:00
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 09:53	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 09:53	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 09:53	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 09:53	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:53	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 09:53	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 09:53	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 09:53	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:53	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:53	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:53	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:53	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:53	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:53	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 09:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 09:53	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 09:53	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 09:53	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:53	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/23/16 09:53*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*06/23/16 09:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 118*		*06/23/16 09:53*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/23/16 09:53*	*1*

Client Sample ID: DUP-1

Date Collected: 06/14/16 00:00
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**110**		10	10	7.0	ug/L		06/23/16 12:56	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:56	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:56	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:56	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
2-Butanone (MEK)	**560**		10	10	3.4	ug/L		06/23/16 12:56	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 12:56	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:56	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 12:56	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:56	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 12:56	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: DUP-1
Date Collected: 06/14/16 00:00
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:56	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 12:56	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 12:56	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:56	1
cis-1,2-Dichloroethene	**1.9**		1.0	1.0	0.41	ug/L		06/23/16 12:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 12:56	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 12:56	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 12:56	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:56	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 12:56	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 12:56	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 12:56	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 12:56	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 12:56	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 12:56	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 12:56	1
1,2-Dichloroethene, Total	**2.5**		2.0	1.0	0.74	ug/L		06/23/16 12:56	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 12:56	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 12:56	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:56	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 12:56	1
Ethylbenzene	**16**		1.0	1.0	0.33	ug/L		06/23/16 12:56	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 12:56	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 12:56	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 12:56	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:56	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 12:56	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 12:56	1
m-Xylene & p-Xylene	**0.44**	**J**	1.0	1.0	0.35	ug/L		06/23/16 12:56	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 12:56	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 12:56	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 12:56	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:56	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 12:56	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 12:56	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 12:56	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 12:56	1
Toluene	**3.0**		1.0	1.0	0.48	ug/L		06/23/16 12:56	1
trans-1,2-Dichloroethene	**0.58**	**J**	1.0	1.0	0.37	ug/L		06/23/16 12:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:56	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 12:56	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 12:56	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 12:56	1

Client Sample ID: DUP-1

Date Collected: 06/14/16 00:00
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 12:56	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 12:56	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 12:56	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 12:56	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 12:56	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 12:56	1
Vinyl chloride	**4.1**		1.0	1.0	0.50	ug/L		06/23/16 12:56	1
Xylenes, Total	**0.44**	**J**	2.0	0.50	0.23	ug/L		06/23/16 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*06/23/16 12:56*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*06/23/16 12:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*81 - 118*		*06/23/16 12:56*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*06/23/16 12:56*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/23/16 00:46	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 00:46	1
Methane (TCD)	**14000**		390	77	39	ug/L		06/23/16 00:46	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 14:32	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**270000**	**B**	50	50	17	ug/L		06/23/16 23:33	1
Manganese	**17000**		10	3.0	1.0	ug/L		06/23/16 23:33	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**520**		3.0	3.0	1.5	ug/L		06/23/16 12:32	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 13:33	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**150**		4.6	2.3	0.71	mg/L		06/17/16 19:16	4.55
Alkalinity	**580**		5.0	3.2	1.1	mg/L		06/16/16 16:20	1

Client Sample ID: G6M-13-04X

Date Collected: 06/15/16 12:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 11:38	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 11:38	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:38	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 11:38	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-04X
Date Collected: 06/15/16 12:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 11:38	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 11:38	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 11:38	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 11:38	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 11:38	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 11:38	1
Chloroethane	**3.8**	**J**	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:38	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 11:38	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 11:38	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 11:38	1
cis-1,2-Dichloroethene	**19**		1.0	1.0	0.41	ug/L		06/24/16 11:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 11:38	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 11:38	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 11:38	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:38	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 11:38	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 11:38	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 11:38	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 11:38	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 11:38	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:38	1
1,1-Dichloroethene	**0.73**	**J**	1.0	1.0	0.36	ug/L		06/24/16 11:38	1
1,2-Dichloroethene, Total	**20**		2.0	1.0	0.74	ug/L		06/24/16 11:38	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 11:38	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 11:38	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:38	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 11:38	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 11:38	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 11:38	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 11:38	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 11:38	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 11:38	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 11:38	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 11:38	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 11:38	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 11:38	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 11:38	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 11:38	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 11:38	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 11:38	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 11:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 11:38	1
Tetrachloroethene	**12**		1.0	1.0	0.74	ug/L		06/24/16 11:38	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-04X
Date Collected: 06/15/16 12:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 11:38	1
trans-1,2-Dichloroethene	**1.2**		1.0	1.0	0.37	ug/L		06/24/16 11:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 11:38	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:38	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:38	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 11:38	1
Trichloroethene	**18**		1.0	1.0	0.48	ug/L		06/24/16 11:38	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 11:38	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 11:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 11:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 11:38	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 11:38	1
Vinyl chloride	**55**		1.0	1.0	0.50	ug/L		06/24/16 11:38	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*85 - 114*		*06/24/16 11:38*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*81 - 118*		*06/24/16 11:38*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/24/16 11:38*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**2.8**		1.1	1.1	0.55	ug/L		06/23/16 19:17	1
Ethylene	**20**		1.0	1.0	0.50	ug/L		06/23/16 19:17	1
Methane (TCD)	**9300**		390	77	39	ug/L		06/23/16 19:17	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**3.6**	**M**	1.0	0.80	0.40	mg/L		06/27/16 16:00	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**27000**	**J**	50	50	17	ug/L		06/24/16 09:07	1
Manganese	**6800**	**J**	10	3.0	1.0	ug/L		06/24/16 09:07	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**340**	**J**	3.0	3.0	1.5	ug/L		06/23/16 20:30	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 13:35	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**1.7**		1.0	0.50	0.16	mg/L		06/17/16 22:39	1
Alkalinity	**280**		5.0	3.2	1.1	mg/L		06/17/16 15:17	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-97-05B
Date Collected: 06/15/16 09:55
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 11:58	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 11:58	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:58	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 11:58	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 11:58	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 11:58	1
Carbon tetrachloride	**0.86**	**J**	1.0	1.0	0.33	ug/L		06/24/16 11:58	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 11:58	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 11:58	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 11:58	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:58	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 11:58	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 11:58	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 11:58	1
cis-1,2-Dichloroethene	**4.2**		1.0	1.0	0.41	ug/L		06/24/16 11:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 11:58	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 11:58	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 11:58	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:58	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 11:58	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 11:58	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 11:58	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 11:58	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 11:58	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:58	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 11:58	1
1,2-Dichloroethene, Total	**4.2**		2.0	1.0	0.74	ug/L		06/24/16 11:58	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 11:58	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 11:58	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:58	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 11:58	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 11:58	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 11:58	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 11:58	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 11:58	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 11:58	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 11:58	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 11:58	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 11:58	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 11:58	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 11:58	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 11:58	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 11:58	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 11:58	1

Client Sample ID: G6M-97-05B

Date Collected: 06/15/16 09:55
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 11:58	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 11:58	1
Tetrachloroethene	**87**		1.0	1.0	0.74	ug/L		06/24/16 11:58	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 11:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 11:58	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 11:58	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 11:58	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 11:58	1
Trichloroethene	**13**		1.0	1.0	0.48	ug/L		06/24/16 11:58	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 11:58	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 11:58	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 11:58	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 11:58	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 11:58	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 11:58	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/24/16 11:58*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*81 - 118*		*06/24/16 11:58*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/24/16 11:58*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/24/16 09:44	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/24/16 09:44	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/23/16 20:55	1

Client Sample ID: G6M-02-04X

Date Collected: 06/15/16 14:50
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 12:19	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:19	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:19	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:19	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 12:19	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 12:19	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:19	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 12:19	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-02-04X
Date Collected: 06/15/16 14:50
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:19	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 12:19	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:19	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 12:19	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 12:19	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 12:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 12:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 12:19	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 12:19	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:19	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:19	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 12:19	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 12:19	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 12:19	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 12:19	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:19	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 12:19	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 12:19	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 12:19	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 12:19	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:19	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 12:19	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:19	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 12:19	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 12:19	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 12:19	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 12:19	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 12:19	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 12:19	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 12:19	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 12:19	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 12:19	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 12:19	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:19	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 12:19	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 12:19	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 12:19	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 12:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:19	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:19	1

Client Sample ID: G6M-02-04X

Lab Sample ID: 680-126503-3

Date Collected: 06/15/16 14:50

Matrix: Water

Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:19	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:19	1
Trichloroethene	**0.59**	**J**	1.0	1.0	0.48	ug/L		06/24/16 12:19	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:19	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 12:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 12:19	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 12:19	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 12:19	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:19	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 12:19*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/24/16 12:19*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 12:19*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**27000**		50	50	17	ug/L		06/24/16 09:49	1
Manganese	**1400**		10	3.0	1.0	ug/L		06/24/16 09:49	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**470**		3.0	3.0	1.5	ug/L		06/23/16 21:01	1

Client Sample ID: G6M-13-01X

Lab Sample ID: 680-126503-4

Date Collected: 06/15/16 11:00

Matrix: Water

Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 12:39	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:39	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:39	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:39	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 12:39	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 12:39	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:39	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 12:39	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:39	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 12:39	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:39	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 12:39	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 12:39	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:39	1
cis-1,2-Dichloroethene	**2.8**		1.0	1.0	0.41	ug/L		06/24/16 12:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 12:39	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-01X
Date Collected: 06/15/16 11:00
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 12:39	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 12:39	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:39	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:39	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 12:39	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 12:39	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 12:39	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 12:39	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:39	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 12:39	1
1,2-Dichloroethene, Total	**2.8**		2.0	1.0	0.74	ug/L		06/24/16 12:39	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 12:39	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 12:39	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:39	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 12:39	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:39	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 12:39	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 12:39	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 12:39	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 12:39	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 12:39	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 12:39	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 12:39	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 12:39	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 12:39	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 12:39	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:39	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 12:39	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 12:39	1
Tetrachloroethene	**18**		1.0	1.0	0.74	ug/L		06/24/16 12:39	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 12:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:39	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:39	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:39	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:39	1
Trichloroethene	**1.1**		1.0	1.0	0.48	ug/L		06/24/16 12:39	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:39	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 12:39	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 12:39	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 12:39	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 12:39	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:39	1

Client Sample ID: G6M-13-01X

Date Collected: 06/15/16 11:00
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/24/16 12:39*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*81 - 118*		*06/24/16 12:39*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/24/16 12:39*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**83**		50	50	17	ug/L		06/24/16 09:54	1
Manganese	**14**		10	3.0	1.0	ug/L		06/24/16 09:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**2.1**	**J**	3.0	3.0	1.5	ug/L		06/23/16 21:06	1

Client Sample ID: G6M-13-05X_SPR16

Date Collected: 06/15/16 07:35
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	100	U	100	100	70	ug/L		06/24/16 14:42	10
Benzene	10	U	10	10	4.3	ug/L		06/24/16 14:42	10
Bromobenzene	10	U	10	10	5.0	ug/L		06/24/16 14:42	10
Bromoform	10	U	10	10	4.3	ug/L		06/24/16 14:42	10
Bromomethane	50	U	50	50	25	ug/L		06/24/16 14:42	10
2-Butanone (MEK)	100	U	100	100	34	ug/L		06/24/16 14:42	10
Carbon disulfide	20	U	20	20	4.3	ug/L		06/24/16 14:42	10
Carbon tetrachloride	10	U	10	10	3.3	ug/L		06/24/16 14:42	10
Chlorobenzene	5.0	U	10	5.0	2.6	ug/L		06/24/16 14:42	10
Chlorobromomethane	10	U	10	10	4.5	ug/L		06/24/16 14:42	10
Chlorodibromomethane	10	U	10	10	3.2	ug/L		06/24/16 14:42	10
Chloroethane	50	U	50	50	25	ug/L		06/24/16 14:42	10
Chloroform	10	U	10	10	5.0	ug/L		06/24/16 14:42	10
Chloromethane	10	U	10	10	4.0	ug/L		06/24/16 14:42	10
2-Chlorotoluene	5.0	U	10	5.0	2.7	ug/L		06/24/16 14:42	10
4-Chlorotoluene	10	U	10	10	4.5	ug/L		06/24/16 14:42	10
cis-1,2-Dichloroethene	**50**	**D**	10	10	4.1	ug/L		06/24/16 14:42	10
cis-1,3-Dichloropropene	10	U	10	10	4.0	ug/L		06/24/16 14:42	10
1,2-Dibromo-3-Chloropropane	20	U	50	20	11	ug/L		06/24/16 14:42	10
Dibromomethane	10	U	10	10	3.5	ug/L		06/24/16 14:42	10
1,2-Dichlorobenzene	10	U	10	10	3.7	ug/L		06/24/16 14:42	10
1,3-Dichlorobenzene	10	U	10	10	4.3	ug/L		06/24/16 14:42	10
1,4-Dichlorobenzene	10	U	10	10	4.6	ug/L		06/24/16 14:42	10
Dichlorobromomethane	10	U	10	10	4.4	ug/L		06/24/16 14:42	10
Dichlorodifluoromethane	10	U	10	10	6.0	ug/L		06/24/16 14:42	10
1,1-Dichloroethane	10	U	10	10	3.8	ug/L		06/24/16 14:42	10
1,2-Dichloroethane	10	U	10	10	5.0	ug/L		06/24/16 14:42	10

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-05X_SPR16
Date Collected: 06/15/16 07:35
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	10	U	10	10	3.6	ug/L		06/24/16 14:42	10
1,2-Dichloroethene, Total	**50**	**D**	20	10	7.4	ug/L		06/24/16 14:42	10
1,2-Dichloropropane	10	U	10	10	6.7	ug/L		06/24/16 14:42	10
1,3-Dichloropropane	10	U	10	10	3.4	ug/L		06/24/16 14:42	10
2,2-Dichloropropane	10	U	10	10	3.7	ug/L		06/24/16 14:42	10
1,1-Dichloropropene	10	U	10	10	3.4	ug/L		06/24/16 14:42	10
Ethylbenzene	10	U	10	10	3.3	ug/L		06/24/16 14:42	10
Ethylene Dibromide	10	U	10	10	4.4	ug/L		06/24/16 14:42	10
Hexachlorobutadiene	50	U	50	50	25	ug/L		06/24/16 14:42	10
2-Hexanone	50	U	100	50	20	ug/L		06/24/16 14:42	10
Isopropylbenzene	5.0	U	10	5.0	3.5	ug/L		06/24/16 14:42	10
4-Isopropyltoluene	10	U	10	10	4.8	ug/L		06/24/16 14:42	10
Methylene Chloride	50	U	50	50	25	ug/L		06/24/16 14:42	10
4-Methyl-2-pentanone (MIBK)	50	U	100	50	21	ug/L		06/24/16 14:42	10
Methyl tert-butyl ether	5.0	U	100	5.0	3.0	ug/L		06/24/16 14:42	10
m-Xylene & p-Xylene	10	U	10	10	3.5	ug/L		06/24/16 14:42	10
Naphthalene	50	U	50	50	25	ug/L		06/24/16 14:42	10
n-Butylbenzene	10	U	10	10	4.7	ug/L		06/24/16 14:42	10
N-Propylbenzene	10	U	10	10	3.8	ug/L		06/24/16 14:42	10
o-Xylene	5.0	U	10	5.0	2.3	ug/L		06/24/16 14:42	10
sec-Butylbenzene	10	U	10	10	4.2	ug/L		06/24/16 14:42	10
Styrene	5.0	U	10	5.0	2.7	ug/L		06/24/16 14:42	10
tert-Butylbenzene	10	U	10	10	4.5	ug/L		06/24/16 14:42	10
1,1,1,2-Tetrachloroethane	10	U	10	10	3.7	ug/L		06/24/16 14:42	10
1,1,2,2-Tetrachloroethane	10	U	10	10	6.2	ug/L		06/24/16 14:42	10
Tetrachloroethene	**1200**	**D**	10	10	7.4	ug/L		06/24/16 14:42	10
Toluene	10	U	10	10	4.8	ug/L		06/24/16 14:42	10
trans-1,2-Dichloroethene	10	U	10	10	3.7	ug/L		06/24/16 14:42	10
trans-1,3-Dichloropropene	10	U	10	10	4.2	ug/L		06/24/16 14:42	10
1,2,3-Trichlorobenzene	50	U	50	50	25	ug/L		06/24/16 14:42	10
1,2,4-Trichlorobenzene	50	U	50	50	25	ug/L		06/24/16 14:42	10
1,1,1-Trichloroethane	10	U	10	10	3.7	ug/L		06/24/16 14:42	10
1,1,2-Trichloroethane	10	U	10	10	3.3	ug/L		06/24/16 14:42	10
Trichloroethene	**9.6**	**J D**	10	10	4.8	ug/L		06/24/16 14:42	10
Trichlorofluoromethane	10	U	10	10	4.2	ug/L		06/24/16 14:42	10
1,2,3-Trichloropropane	10	U	10	10	3.9	ug/L		06/24/16 14:42	10
1,2,4-Trimethylbenzene	**8.1**	**J D**	10	10	4.7	ug/L		06/24/16 14:42	10
1,3,5-Trimethylbenzene	10	U	10	10	3.1	ug/L		06/24/16 14:42	10
Vinyl acetate	10	U	20	10	8.1	ug/L		06/24/16 14:42	10
Vinyl chloride	10	U	10	10	5.0	ug/L		06/24/16 14:42	10
Xylenes, Total	5.0	U	20	5.0	2.3	ug/L		06/24/16 14:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*06/24/16 14:42*	*10*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*06/24/16 14:42*	*10*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/24/16 14:42*	*10*
Toluene-d8 (Surr)	*101*		*89 - 112*		*06/24/16 14:42*	*10*

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-05X_SPR16

Lab Sample ID: 680-126503-5
Date Collected: 06/15/16 07:35
Matrix: Water
Date Received: 06/16/16 09:15

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**22**	**J**	50	50	17	ug/L		06/24/16 09:59	1
Manganese	**130**		10	3.0	1.0	ug/L		06/24/16 09:59	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/23/16 21:21	1

Client Sample ID: G6M-03-01X_SPR16

Lab Sample ID: 680-126503-6
Date Collected: 06/15/16 12:20
Matrix: Water
Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 12:59	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:59	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:59	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:59	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 12:59	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 12:59	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:59	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 12:59	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:59	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 12:59	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:59	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 12:59	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 12:59	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:59	1
cis-1,2-Dichloroethene	**180**		1.0	1.0	0.41	ug/L		06/24/16 12:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 12:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 12:59	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 12:59	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:59	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 12:59	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 12:59	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 12:59	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 12:59	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 12:59	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 12:59	1
1,1-Dichloroethene	**1.4**		1.0	1.0	0.36	ug/L		06/24/16 12:59	1
1,2-Dichloroethene, Total	**190**		2.0	1.0	0.74	ug/L		06/24/16 12:59	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 12:59	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 12:59	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:59	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 12:59	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:59	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 12:59	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 12:59	1

Client Sample ID: G6M-03-01X_SPR16

Lab Sample ID: 680-126503-6
Date Collected: 06/15/16 12:20
Matrix: Water
Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 12:59	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 12:59	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 12:59	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 12:59	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 12:59	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 12:59	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 12:59	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 12:59	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:59	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 12:59	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 12:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 12:59	1
Tetrachloroethene	**9.6**		1.0	1.0	0.74	ug/L		06/24/16 12:59	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 12:59	1
trans-1,2-Dichloroethene	**8.8**		1.0	1.0	0.37	ug/L		06/24/16 12:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:59	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 12:59	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 12:59	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 12:59	1
Trichloroethene	**180**		1.0	1.0	0.48	ug/L		06/24/16 12:59	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 12:59	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 12:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 12:59	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 12:59	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 12:59	1
Vinyl chloride	**99**		1.0	1.0	0.50	ug/L		06/24/16 12:59	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/24/16 12:59*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/24/16 12:59*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/24/16 12:59*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 680-126503-7
Date Collected: 06/15/16 00:00
Matrix: Water
Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 10:16	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 10:16	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 10:16	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 10:16	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 10:16	1

Client Sample ID: Trip Blank
Date Collected: 06/15/16 00:00
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 10:16	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 10:16	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 10:16	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 10:16	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 10:16	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 10:16	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 10:16	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 10:16	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 10:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 10:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 10:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 10:16	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 10:16	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 10:16	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 10:16	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 10:16	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 10:16	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 10:16	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 10:16	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 10:16	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 10:16	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 10:16	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 10:16	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 10:16	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 10:16	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 10:16	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 10:16	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 10:16	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 10:16	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 10:16	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 10:16	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 10:16	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 10:16	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 10:16	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 10:16	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 10:16	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 10:16	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 10:16	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 10:16	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 10:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 10:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 10:16	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 10:16	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 10:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 10:16	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126503-7

Date Collected: 06/15/16 00:00

Matrix: Water

Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 10:16	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 10:16	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 10:16	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 10:16	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 10:16	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 10:16	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 10:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 10:16	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 10:16	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 10:16	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 10:16	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 10:16*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/24/16 10:16*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/24/16 10:16*	*1*

Client Sample ID: G6M-04-09X_SPR16

Lab Sample ID: 680-126503-8

Date Collected: 06/15/16 10:10

Matrix: Water

Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**11**		10	10	7.0	ug/L		06/24/16 13:20	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 13:20	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:20	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 13:20	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
2-Butanone (MEK)	**24**		10	10	3.4	ug/L		06/24/16 13:20	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 13:20	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 13:20	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 13:20	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 13:20	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 13:20	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:20	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 13:20	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 13:20	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 13:20	1
cis-1,2-Dichloroethene	**1.0**		1.0	1.0	0.41	ug/L		06/24/16 13:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 13:20	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 13:20	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 13:20	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:20	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 13:20	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 13:20	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 13:20	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-04-09X_SPR16
Date Collected: 06/15/16 10:10
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 13:20	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 13:20	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:20	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 13:20	1
1,2-Dichloroethene, Total	**1.0**	**J**	2.0	1.0	0.74	ug/L		06/24/16 13:20	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 13:20	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 13:20	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:20	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 13:20	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 13:20	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 13:20	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 13:20	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 13:20	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 13:20	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 13:20	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 13:20	1
m-Xylene & p-Xylene	**0.58**	**J**	1.0	1.0	0.35	ug/L		06/24/16 13:20	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 13:20	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 13:20	1
o-Xylene	**0.30**	**J**	1.0	0.50	0.23	ug/L		06/24/16 13:20	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 13:20	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 13:20	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 13:20	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 13:20	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 13:20	1
Toluene	**0.91**	**J**	1.0	1.0	0.48	ug/L		06/24/16 13:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 13:20	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:20	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:20	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 13:20	1
Trichloroethene	**0.85**	**J**	1.0	1.0	0.48	ug/L		06/24/16 13:20	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 13:20	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 13:20	1
1,2,4-Trimethylbenzene	**0.60**	**J**	1.0	1.0	0.47	ug/L		06/24/16 13:20	1
1,3,5-Trimethylbenzene	**0.40**	**J**	1.0	1.0	0.31	ug/L		06/24/16 13:20	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 13:20	1
Vinyl chloride	**0.61**	**J**	1.0	1.0	0.50	ug/L		06/24/16 13:20	1
Xylenes, Total	**0.88**	**J**	2.0	0.50	0.23	ug/L		06/24/16 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 13:20*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/24/16 13:20*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*06/24/16 13:20*	*1*

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	200000		50	50	17	ug/L		06/24/16 10:05	1
Manganese	3100		10	3.0	1.0	ug/L		06/24/16 10:05	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	550		3.0	3.0	1.5	ug/L		06/23/16 21:26	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	14		1.0	0.50	0.16	mg/L		06/17/16 22:56	1

Client Sample ID: G6M-02-11X_SPR16

Lab Sample ID: 680-126503-9

Date Collected: 06/15/16 14:20

Matrix: Water

Date Received: 06/16/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 13:40	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 13:40	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:40	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 13:40	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 13:40	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 13:40	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 13:40	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 13:40	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 13:40	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 13:40	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:40	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 13:40	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 13:40	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 13:40	1
cis-1,2-Dichloroethene	0.63	J	1.0	1.0	0.41	ug/L		06/24/16 13:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 13:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 13:40	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 13:40	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:40	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 13:40	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 13:40	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 13:40	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 13:40	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 13:40	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:40	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 13:40	1
1,2-Dichloroethene, Total	0.95	J	2.0	1.0	0.74	ug/L		06/24/16 13:40	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 13:40	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 13:40	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:40	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 13:40	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 13:40	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 13:40	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 13:40	1

Client Sample ID: G6M-02-11X_SPR16
Date Collected: 06/15/16 14:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 13:40	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 13:40	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 13:40	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 13:40	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 13:40	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 13:40	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 13:40	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 13:40	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 13:40	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 13:40	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 13:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 13:40	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 13:40	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 13:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 13:40	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 13:40	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 13:40	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 13:40	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 13:40	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 13:40	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 13:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 13:40	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 13:40	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 13:40	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 13:40	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 13:40*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*06/24/16 13:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/24/16 13:40*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*06/24/16 13:40*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**4.6**		1.1	1.1	0.55	ug/L		06/23/16 19:30	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 19:30	1
Methane (TCD)	**11000**		390	77	39	ug/L		06/23/16 19:30	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 17:27	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-02-11X_SPR16
Date Collected: 06/15/16 14:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-9
Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	35000		50	50	17	ug/L		06/24/16 10:10	1
Manganese	9000		10	3.0	1.0	ug/L		06/24/16 10:10	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	550		3.0	3.0	1.5	ug/L		06/23/16 21:31	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 13:37	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	4.4		1.0	0.50	0.16	mg/L		06/17/16 23:13	1
Alkalinity	250		5.0	3.2	1.1	mg/L		06/17/16 15:22	1

Surrogate Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(85-114)	(80-119)	(81-118)	(89-112)
680-126356-1	G6M-02-01X_SPR16	110	96	92	103
680-126356-2	G6M-04-01X_SPR16	109	94	91	103
680-126356-3	G6M-04-02X_SPR16	111	95	91	102
680-126356-3 MS	G6M-04-02X_SPR16	105	97	90	104
680-126356-3 MSD	G6M-04-02X_SPR16	105	97	89	102
680-126356-4	DUP-2	108	96	91	104
680-126356-5	Trip Blank	111	96	92	103
680-126418-1	G6M-04-10A_SPR16	109	95	90	103
680-126418-2	G6M-13-06X_SPR16	108	95	91	103
680-126418-2 MS	G6M-13-06X_SPR16	104	97	88	104
680-126418-2 MSD	G6M-13-06X_SPR16	105	98	90	104
680-126418-3	G6M-02-08X_SPR16	109	95	90	103
680-126418-4	G6M-93-13X_SPR16	110	95	92	102
680-126418-5	G6M-07-02X_SPR16	108	96	92	103
680-126418-6	G6M-04-10X_SPR16	110	95	92	102
680-126418-7	Trip Blank	111	96	92	102
680-126418-8	DUP-1	109	98	91	101
680-126503-1	G6M-13-04X	113	93	87	102
680-126503-2	G6M-97-05B	112	93	87	102
680-126503-3	G6M-02-04X	111	93	88	103
680-126503-4	G6M-13-01X	110	93	87	102
680-126503-5	G6M-13-05X_SPR16	108	94	88	101
680-126503-6	G6M-03-01X_SPR16	110	93	88	102
680-126503-7	Trip Blank	111	93	88	102
680-126503-8	G6M-04-09X_SPR16	111	93	88	104
680-126503-9	G6M-02-11X_SPR16	111	92	88	104
LCS 680-438541/4	Lab Control Sample	106	102	100	101
LCS 680-438724/4	Lab Control Sample	102	94	86	99
LCSD 680-438541/5	Lab Control Sample Dup	107	99	95	100
LCSD 680-438724/5	Lab Control Sample Dup	108	97	89	101
MB 680-438541/9	Method Blank	112	93	91	103
MB 680-438724/9	Method Blank	111	93	89	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-438541/9
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/23/16 09:12	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:12	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:12	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:12	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/23/16 09:12	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/23/16 09:12	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:12	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/23/16 09:12	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:12	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/23/16 09:12	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:12	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 09:12	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 09:12	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/23/16 09:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/23/16 09:12	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/23/16 09:12	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 09:12	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:12	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/23/16 09:12	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/23/16 09:12	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 09:12	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/23/16 09:12	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 09:12	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:12	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/23/16 09:12	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/23/16 09:12	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/23/16 09:12	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 09:12	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:12	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/23/16 09:12	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:12	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/23/16 09:12	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/23/16 09:12	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/23/16 09:12	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:12	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/23/16 09:12	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/23/16 09:12	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/23/16 09:12	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 09:12	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/23/16 09:12	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/23/16 09:12	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-438541/9
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/23/16 09:12	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/23/16 09:12	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/23/16 09:12	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/23/16 09:12	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:12	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/23/16 09:12	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/23/16 09:12	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/23/16 09:12	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/23/16 09:12	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/23/16 09:12	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/23/16 09:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/23/16 09:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/23/16 09:12	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/23/16 09:12	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 09:12	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/23/16 09:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/23/16 09:12*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/23/16 09:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*81 - 118*		*06/23/16 09:12*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/23/16 09:12*	*1*

Lab Sample ID: LCS 680-438541/4
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	251		ug/L		100	39 - 160
Benzene	50.0	51.8		ug/L		104	79 - 120
Bromobenzene	50.0	50.5		ug/L		101	80 - 120
Bromoform	50.0	45.5		ug/L		91	66 - 130
Bromomethane	50.0	46.0		ug/L		92	53 - 141
2-Butanone (MEK)	250	254		ug/L		102	56 - 143
Carbon disulfide	50.0	53.9		ug/L		108	64 - 133
Carbon tetrachloride	50.0	43.6		ug/L		87	72 - 136
Chlorobenzene	50.0	51.1		ug/L		102	82 - 118
Chlorobromomethane	50.0	52.3		ug/L		105	78 - 123
Chlorodibromomethane	50.0	47.9		ug/L		96	74 - 126
Chloroethane	50.0	44.5		ug/L		89	60 - 138
Chloroform	50.0	51.7		ug/L		103	79 - 124
Chloromethane	50.0	52.3		ug/L		105	50 - 139
2-Chlorotoluene	50.0	51.7		ug/L		103	79 - 122
4-Chlorotoluene	50.0	50.7		ug/L		101	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438541/4
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	51.2		ug/L		102	78 - 123
cis-1,3-Dichloropropene	50.0	58.2		ug/L		116	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	47.6		ug/L		95	62 - 128
Dibromomethane	50.0	52.6		ug/L		105	79 - 123
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 119
1,3-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 119
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	79 - 118
Dichlorobromomethane	50.0	54.8		ug/L		110	79 - 125
Dichlorodifluoromethane	50.0	48.8		ug/L		98	32 - 152
1,1-Dichloroethane	50.0	52.4		ug/L		105	77 - 125
1,2-Dichloroethane	50.0	51.1		ug/L		102	73 - 128
1,1-Dichloroethene	50.0	51.4		ug/L		103	71 - 131
1,2-Dichloroethene, Total	100	103		ug/L		103	79 - 121
1,2-Dichloropropane	50.0	55.7		ug/L		111	78 - 122
1,3-Dichloropropane	50.0	54.1		ug/L		108	80 - 119
2,2-Dichloropropane	50.0	53.3		ug/L		107	60 - 139
1,1-Dichloropropene	50.0	51.2		ug/L		102	79 - 125
Ethylbenzene	50.0	50.9		ug/L		102	79 - 121
Ethylene Dibromide	50.0	54.1		ug/L		108	75 - 127
Hexachlorobutadiene	50.0	54.7		ug/L		109	66 - 134
2-Hexanone	250	270		ug/L		108	57 - 139
Isopropylbenzene	50.0	50.3		ug/L		101	72 - 131
4-Isopropyltoluene	50.0	48.1		ug/L		96	77 - 127
Methylene Chloride	50.0	53.2		ug/L		106	74 - 124
4-Methyl-2-pentanone (MIBK)	250	269		ug/L		108	67 - 130
Methyl tert-butyl ether	50.0	52.7		ug/L		105	71 - 124
m-Xylene & p-Xylene	50.0	49.9		ug/L		100	80 - 121
Naphthalene	50.0	49.6		ug/L		99	61 - 128
n-Butylbenzene	50.0	48.3		ug/L		97	75 - 128
N-Propylbenzene	50.0	51.3		ug/L		103	76 - 126
o-Xylene	50.0	51.0		ug/L		102	78 - 122
sec-Butylbenzene	50.0	52.0		ug/L		104	77 - 126
Styrene	50.0	53.2		ug/L		106	78 - 123
tert-Butylbenzene	50.0	49.9		ug/L		100	78 - 124
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/L		106	78 - 124
1,1,2,2-Tetrachloroethane	50.0	53.3		ug/L		107	71 - 121
Tetrachloroethene	50.0	49.6		ug/L		99	74 - 129
Toluene	50.0	52.1		ug/L		104	80 - 121
trans-1,2-Dichloroethene	50.0	51.5		ug/L		103	75 - 124
trans-1,3-Dichloropropene	50.0	56.9		ug/L		114	73 - 127
1,2,3-Trichlorobenzene	50.0	50.4		ug/L		101	69 - 129
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	69 - 130
1,1,1-Trichloroethane	50.0	49.4		ug/L		99	74 - 131
1,1,2-Trichloroethane	50.0	54.0		ug/L		108	80 - 119
Trichloroethene	50.0	49.6		ug/L		99	79 - 123
Trichlorofluoromethane	50.0	45.6		ug/L		91	65 - 141
1,2,3-Trichloropropane	50.0	53.3		ug/L		107	73 - 122
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438541/4
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,3,5-Trimethylbenzene			50.0	51.6		ug/L		103	75 - 124		
Vinyl acetate			100	113		ug/L		113	54 - 146		
Vinyl chloride			50.0	50.6		ug/L		101	58 - 137		
Xylenes, Total			100	101		ug/L		101	79 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*
Dibromofluoromethane (Surr)	*102*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Lab Sample ID: LCSD 680-438541/5
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			250	241		ug/L		96	39 - 160	4	20
Benzene			50.0	51.1		ug/L		102	79 - 120	1	20
Bromobenzene			50.0	49.7		ug/L		99	80 - 120	2	20
Bromoform			50.0	44.5		ug/L		89	66 - 130	2	20
Bromomethane			50.0	46.9		ug/L		94	53 - 141	2	20
2-Butanone (MEK)			250	248		ug/L		99	56 - 143	2	20
Carbon disulfide			50.0	55.6		ug/L		111	64 - 133	3	20
Carbon tetrachloride			50.0	45.2		ug/L		90	72 - 136	4	20
Chlorobenzene			50.0	50.2		ug/L		100	82 - 118	2	20
Chlorobromomethane			50.0	49.2		ug/L		98	78 - 123	6	20
Chlorodibromomethane			50.0	45.6		ug/L		91	74 - 126	5	20
Chloroethane			50.0	45.3		ug/L		91	60 - 138	2	20
Chloroform			50.0	50.5		ug/L		101	79 - 124	2	20
Chloromethane			50.0	53.3		ug/L		107	50 - 139	2	20
2-Chlorotoluene			50.0	51.9		ug/L		104	79 - 122	0	20
4-Chlorotoluene			50.0	51.1		ug/L		102	78 - 122	1	20
cis-1,2-Dichloroethene			50.0	50.9		ug/L		102	78 - 123	1	20
cis-1,3-Dichloropropene			50.0	54.9		ug/L		110	75 - 124	6	20
1,2-Dibromo-3-Chloropropane			50.0	47.0		ug/L		94	62 - 128	1	20
Dibromomethane			50.0	49.2		ug/L		98	79 - 123	7	20
1,2-Dichlorobenzene			50.0	52.3		ug/L		105	80 - 119	2	20
1,3-Dichlorobenzene			50.0	52.3		ug/L		105	80 - 119	1	20
1,4-Dichlorobenzene			50.0	50.9		ug/L		102	79 - 118	1	20
Dichlorobromomethane			50.0	52.4		ug/L		105	79 - 125	4	20
Dichlorodifluoromethane			50.0	50.4		ug/L		101	32 - 152	3	20
1,1-Dichloroethane			50.0	51.1		ug/L		102	77 - 125	2	20
1,2-Dichloroethane			50.0	48.4		ug/L		97	73 - 128	5	20
1,1-Dichloroethene			50.0	53.1		ug/L		106	71 - 131	3	20
1,2-Dichloroethene, Total			100	103		ug/L		103	79 - 121	0	20
1,2-Dichloropropane			50.0	54.5		ug/L		109	78 - 122	2	20
1,3-Dichloropropane			50.0	50.2		ug/L		100	80 - 119	7	20
2,2-Dichloropropane			50.0	54.6		ug/L		109	60 - 139	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-438541/5
Matrix: Water
Analysis Batch: 438541

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	53.1		ug/L		106	79 - 125	4	20
Ethylbenzene			50.0	51.2		ug/L		102	79 - 121	0	20
Ethylene Dibromide			50.0	50.8		ug/L		102	75 - 127	6	20
Hexachlorobutadiene			50.0	58.1		ug/L		116	66 - 134	6	20
2-Hexanone			250	253		ug/L		101	57 - 139	6	20
Isopropylbenzene			50.0	51.9		ug/L		104	72 - 131	3	20
4-Isopropyltoluene			50.0	50.7		ug/L		101	77 - 127	5	20
Methylene Chloride			50.0	51.4		ug/L		103	74 - 124	3	20
4-Methyl-2-pentanone (MIBK)			250	248		ug/L		99	67 - 130	8	20
Methyl tert-butyl ether			50.0	49.9		ug/L		100	71 - 124	5	20
m-Xylene & p-Xylene			50.0	50.0		ug/L		100	80 - 121	0	20
Naphthalene			50.0	51.0		ug/L		102	61 - 128	3	20
n-Butylbenzene			50.0	51.0		ug/L		102	75 - 128	5	20
N-Propylbenzene			50.0	52.4		ug/L		105	76 - 126	2	20
o-Xylene			50.0	51.3		ug/L		103	78 - 122	0	20
sec-Butylbenzene			50.0	53.8		ug/L		108	77 - 126	3	20
Styrene			50.0	53.0		ug/L		106	78 - 123	0	20
tert-Butylbenzene			50.0	51.2		ug/L		102	78 - 124	2	20
1,1,1,2-Tetrachloroethane			50.0	51.5		ug/L		103	78 - 124	3	20
1,1,2,2-Tetrachloroethane			50.0	53.0		ug/L		106	71 - 121	1	20
Tetrachloroethene			50.0	49.7		ug/L		99	74 - 129	0	20
Toluene			50.0	51.1		ug/L		102	80 - 121	2	20
trans-1,2-Dichloroethene			50.0	51.7		ug/L		103	75 - 124	1	20
trans-1,3-Dichloropropene			50.0	53.5		ug/L		107	73 - 127	6	20
1,2,3-Trichlorobenzene			50.0	50.9		ug/L		102	69 - 129	1	20
1,2,4-Trichlorobenzene			50.0	50.2		ug/L		100	69 - 130	1	20
1,1,1-Trichloroethane			50.0	51.3		ug/L		103	74 - 131	4	20
1,1,2-Trichloroethane			50.0	49.6		ug/L		99	80 - 119	9	20
Trichloroethene			50.0	49.9		ug/L		100	79 - 123	1	20
Trichlorofluoromethane			50.0	48.0		ug/L		96	65 - 141	5	20
1,2,3-Trichloropropane			50.0	51.2		ug/L		102	73 - 122	4	20
1,2,4-Trimethylbenzene			50.0	53.3		ug/L		107	76 - 124	1	20
1,3,5-Trimethylbenzene			50.0	52.3		ug/L		105	75 - 124	1	20
Vinyl acetate			100	106		ug/L		106	54 - 146	6	20
Vinyl chloride			50.0	52.5		ug/L		105	58 - 137	4	20
Xylenes, Total			100	101		ug/L		101	79 - 121	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*95*		*81 - 118*
Toluene-d8 (Surr)	*100*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126356-3 MS
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	250	222		ug/L		89	39 - 160
Benzene	1.0	U	50.0	51.7		ug/L		103	79 - 120
Bromobenzene	1.0	U	50.0	47.8		ug/L		96	80 - 120
Bromoform	1.0	U	50.0	43.1		ug/L		86	66 - 130
Bromomethane	5.0	U	50.0	42.8		ug/L		86	53 - 141
2-Butanone (MEK)	10	U	250	243		ug/L		97	56 - 143
Carbon disulfide	2.0	U	50.0	59.9		ug/L		120	64 - 133
Carbon tetrachloride	1.0	U	50.0	46.2		ug/L		92	72 - 136
Chlorobenzene	0.50	U	50.0	50.4		ug/L		101	82 - 118
Chlorobromomethane	1.0	U	50.0	47.9		ug/L		96	78 - 123
Chlorodibromomethane	1.0	U	50.0	43.7		ug/L		87	74 - 126
Chloroethane	5.0	U	50.0	47.8		ug/L		96	60 - 138
Chloroform	1.0	U	50.0	49.7		ug/L		99	79 - 124
Chloromethane	1.0	U	50.0	55.5		ug/L		111	50 - 139
2-Chlorotoluene	0.50	U	50.0	51.6		ug/L		103	79 - 122
4-Chlorotoluene	1.0	U	50.0	51.1		ug/L		102	78 - 122
cis-1,2-Dichloroethene	23		50.0	73.6		ug/L		101	78 - 123
cis-1,3-Dichloropropene	1.0	U	50.0	52.6		ug/L		105	75 - 124
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	47.3		ug/L		95	62 - 128
Dibromomethane	1.0	U	50.0	46.0		ug/L		92	79 - 123
1,2-Dichlorobenzene	1.0	U	50.0	50.0		ug/L		100	80 - 119
1,3-Dichlorobenzene	1.0	U	50.0	50.8		ug/L		102	80 - 119
1,4-Dichlorobenzene	1.0	U	50.0	50.0		ug/L		100	79 - 118
Dichlorobromomethane	1.0	U	50.0	50.4		ug/L		101	79 - 125
Dichlorodifluoromethane	1.0	U	50.0	63.8		ug/L		128	32 - 152
1,1-Dichloroethane	1.0	U	50.0	51.6		ug/L		103	77 - 125
1,2-Dichloroethane	1.0	U	50.0	45.4		ug/L		91	73 - 128
1,1-Dichloroethene	1.0	U	50.0	56.1		ug/L		112	71 - 131
1,2-Dichloroethene, Total	24		100	127		ug/L		104	79 - 121
1,2-Dichloropropane	1.0	U	50.0	52.7		ug/L		105	78 - 122
1,3-Dichloropropane	1.0	U	50.0	48.3		ug/L		97	80 - 119
2,2-Dichloropropane	1.0	U	50.0	55.4		ug/L		111	60 - 139
1,1-Dichloropropene	1.0	U	50.0	55.8		ug/L		112	79 - 125
Ethylbenzene	1.0	U	50.0	52.4		ug/L		105	79 - 121
Ethylene Dibromide	1.0	U	50.0	47.8		ug/L		96	75 - 127
Hexachlorobutadiene	5.0	U	50.0	57.0		ug/L		114	66 - 134
2-Hexanone	5.0	U	250	247		ug/L		99	57 - 139
Isopropylbenzene	0.50	U	50.0	53.0		ug/L		106	72 - 131
4-Isopropyltoluene	1.0	U	50.0	51.0		ug/L		102	77 - 127
Methylene Chloride	5.0	U	50.0	50.9		ug/L		102	74 - 124
4-Methyl-2-pentanone (MIBK)	5.0	U	250	246		ug/L		98	67 - 130
Methyl tert-butyl ether	0.50	U	50.0	48.0		ug/L		96	71 - 124
m-Xylene & p-Xylene	1.0	U	50.0	50.8		ug/L		102	80 - 121
Naphthalene	5.0	U	50.0	44.9		ug/L		90	61 - 128
n-Butylbenzene	1.0	U	50.0	53.2		ug/L		106	75 - 128
N-Propylbenzene	1.0	U	50.0	53.7		ug/L		107	76 - 126
o-Xylene	0.50	U	50.0	51.0		ug/L		102	78 - 122
sec-Butylbenzene	1.0	U	50.0	55.6		ug/L		111	77 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126356-3 MS
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.50	U	50.0	52.0		ug/L		104	78 - 123
tert-Butylbenzene	1.0	U	50.0	52.3		ug/L		105	78 - 124
1,1,1,2-Tetrachloroethane	1.0	U	50.0	51.5		ug/L		103	78 - 124
1,1,2,2-Tetrachloroethane	1.0	U	50.0	51.8		ug/L		104	71 - 121
Tetrachloroethene	120		50.0	159		ug/L		84	74 - 129
Toluene	1.0	U	50.0	51.6		ug/L		103	80 - 121
trans-1,2-Dichloroethene	1.0	U	50.0	53.6		ug/L		107	75 - 124
trans-1,3-Dichloropropene	1.0	U	50.0	50.9		ug/L		102	73 - 127
1,2,3-Trichlorobenzene	5.0	U	50.0	47.2		ug/L		94	69 - 129
1,2,4-Trichlorobenzene	5.0	U	50.0	48.1		ug/L		96	69 - 130
1,1,1-Trichloroethane	1.0	U	50.0	52.0		ug/L		104	74 - 131
1,1,2-Trichloroethane	1.0	U	50.0	48.6		ug/L		97	80 - 119
Trichloroethene	48		50.0	96.7		ug/L		97	79 - 123
Trichlorofluoromethane	1.0	U	50.0	50.7		ug/L		101	65 - 141
1,2,3-Trichloropropane	1.0	U	50.0	49.9		ug/L		100	73 - 122
1,2,4-Trimethylbenzene	1.0	U	50.0	53.7		ug/L		107	76 - 124
1,3,5-Trimethylbenzene	1.0	U	50.0	52.6		ug/L		105	75 - 124
Vinyl acetate	1.0	U	100	105		ug/L		105	54 - 146
Vinyl chloride	3.4		50.0	61.7		ug/L		117	58 - 137
Xylenes, Total	0.50	U	100	102		ug/L		102	79 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*
Dibromofluoromethane (Surr)	*97*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*90*		*81 - 118*
Toluene-d8 (Surr)	*104*		*89 - 112*

Lab Sample ID: 680-126356-3 MSD
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	250	223		ug/L		89	39 - 160	1	20
Benzene	1.0	U	50.0	51.2		ug/L		102	79 - 120	1	20
Bromobenzene	1.0	U	50.0	48.7		ug/L		97	80 - 120	2	20
Bromoform	1.0	U	50.0	43.8		ug/L		88	66 - 130	1	20
Bromomethane	5.0	U	50.0	46.1		ug/L		92	53 - 141	7	20
2-Butanone (MEK)	10	U	250	230		ug/L		92	56 - 143	5	20
Carbon disulfide	2.0	U	50.0	60.6		ug/L		121	64 - 133	1	20
Carbon tetrachloride	1.0	U	50.0	46.0		ug/L		92	72 - 136	0	20
Chlorobenzene	0.50	U	50.0	50.6		ug/L		101	82 - 118	0	20
Chlorobromomethane	1.0	U	50.0	46.5		ug/L		93	78 - 123	3	20
Chlorodibromomethane	1.0	U	50.0	44.2		ug/L		88	74 - 126	1	20
Chloroethane	5.0	U	50.0	47.4		ug/L		95	60 - 138	1	20
Chloroform	1.0	U	50.0	49.3		ug/L		99	79 - 124	1	20
Chloromethane	1.0	U	50.0	55.7		ug/L		111	50 - 139	0	20
2-Chlorotoluene	0.50	U	50.0	51.7		ug/L		103	79 - 122	0	20
4-Chlorotoluene	1.0	U	50.0	51.3		ug/L		103	78 - 122	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126356-3 MSD
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	23		50.0	72.6		ug/L		99	78 - 123	1	20
cis-1,3-Dichloropropene	1.0	U	50.0	52.6		ug/L		105	75 - 124	0	20
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	47.8		ug/L		96	62 - 128	1	20
Dibromomethane	1.0	U	50.0	46.1		ug/L		92	79 - 123	0	20
1,2-Dichlorobenzene	1.0	U	50.0	50.7		ug/L		101	80 - 119	2	20
1,3-Dichlorobenzene	1.0	U	50.0	51.5		ug/L		103	80 - 119	1	20
1,4-Dichlorobenzene	1.0	U	50.0	50.1		ug/L		100	79 - 118	0	20
Dichlorobromomethane	1.0	U	50.0	50.3		ug/L		101	79 - 125	0	20
Dichlorodifluoromethane	1.0	U	50.0	63.5		ug/L		127	32 - 152	0	20
1,1-Dichloroethane	1.0	U	50.0	52.3		ug/L		105	77 - 125	1	20
1,2-Dichloroethane	1.0	U	50.0	45.3		ug/L		91	73 - 128	0	20
1,1-Dichloroethene	1.0	U	50.0	57.1		ug/L		114	71 - 131	2	20
1,2-Dichloroethene, Total	24		100	126		ug/L		103	79 - 121	1	20
1,2-Dichloropropane	1.0	U	50.0	51.8		ug/L		104	78 - 122	2	20
1,3-Dichloropropane	1.0	U	50.0	47.9		ug/L		96	80 - 119	1	20
2,2-Dichloropropane	1.0	U	50.0	54.6		ug/L		109	60 - 139	1	20
1,1-Dichloropropene	1.0	U	50.0	55.6		ug/L		111	79 - 125	0	20
Ethylbenzene	1.0	U	50.0	52.9		ug/L		106	79 - 121	1	20
Ethylene Dibromide	1.0	U	50.0	47.5		ug/L		95	75 - 127	1	20
Hexachlorobutadiene	5.0	U	50.0	58.6		ug/L		117	66 - 134	3	20
2-Hexanone	5.0	U	250	243		ug/L		97	57 - 139	2	20
Isopropylbenzene	0.50	U	50.0	53.2		ug/L		106	72 - 131	0	20
4-Isopropyltoluene	1.0	U	50.0	52.1		ug/L		104	77 - 127	2	20
Methylene Chloride	5.0	U	50.0	50.8		ug/L		102	74 - 124	0	20
4-Methyl-2-pentanone (MIBK)	5.0	U	250	241		ug/L		96	67 - 130	2	20
Methyl tert-butyl ether	0.50	U	50.0	47.8		ug/L		96	71 - 124	0	20
m-Xylene & p-Xylene	1.0	U	50.0	51.1		ug/L		102	80 - 121	1	20
Naphthalene	5.0	U	50.0	50.9		ug/L		102	61 - 128	13	20
n-Butylbenzene	1.0	U	50.0	54.0		ug/L		108	75 - 128	2	20
N-Propylbenzene	1.0	U	50.0	54.3		ug/L		109	76 - 126	1	20
o-Xylene	0.50	U	50.0	51.7		ug/L		103	78 - 122	1	20
sec-Butylbenzene	1.0	U	50.0	56.0		ug/L		112	77 - 126	1	20
Styrene	0.50	U	50.0	51.9		ug/L		104	78 - 123	0	20
tert-Butylbenzene	1.0	U	50.0	52.9		ug/L		106	78 - 124	1	20
1,1,1,2-Tetrachloroethane	1.0	U	50.0	51.8		ug/L		104	78 - 124	0	20
1,1,2,2-Tetrachloroethane	1.0	U	50.0	51.9		ug/L		104	71 - 121	0	20
Tetrachloroethene	120		50.0	172		ug/L		111	74 - 129	8	20
Toluene	1.0	U	50.0	51.1		ug/L		102	80 - 121	1	20
trans-1,2-Dichloroethene	1.0	U	50.0	53.7		ug/L		107	75 - 124	0	20
trans-1,3-Dichloropropene	1.0	U	50.0	50.6		ug/L		101	73 - 127	1	20
1,2,3-Trichlorobenzene	5.0	U	50.0	52.0		ug/L		104	69 - 129	10	20
1,2,4-Trichlorobenzene	5.0	U	50.0	50.8		ug/L		102	69 - 130	5	20
1,1,1-Trichloroethane	1.0	U	50.0	51.4		ug/L		103	74 - 131	1	20
1,1,2-Trichloroethane	1.0	U	50.0	48.6		ug/L		97	80 - 119	0	20
Trichloroethene	48		50.0	96.9		ug/L		97	79 - 123	0	20
Trichlorofluoromethane	1.0	U	50.0	50.9		ug/L		102	65 - 141	0	20
1,2,3-Trichloropropane	1.0	U	50.0	50.3		ug/L		101	73 - 122	1	20
1,2,4-Trimethylbenzene	1.0	U	50.0	54.3		ug/L		109	76 - 124	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126356-3 MSD
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	1.0	U	50.0	53.4		ug/L		107	75 - 124	2	20
Vinyl acetate	1.0	U	100	103		ug/L		103	54 - 146	2	20
Vinyl chloride	3.4		50.0	62.5		ug/L		118	58 - 137	1	20
Xylenes, Total	0.50	U	100	103		ug/L		103	79 - 121	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*
Dibromofluoromethane (Surr)	*97*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*89*		*81 - 118*
Toluene-d8 (Surr)	*102*		*89 - 112*

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100		250	318		ug/L		86	39 - 160
Benzene	1.0	U	50.0	51.9		ug/L		104	79 - 120
Bromobenzene	1.0	U	50.0	48.3		ug/L		97	80 - 120
Bromoform	1.0	U	50.0	43.3		ug/L		87	66 - 130
Bromomethane	5.0	U	50.0	47.6		ug/L		95	53 - 141
2-Butanone (MEK)	520		250	771		ug/L		101	56 - 143
Carbon disulfide	2.0	U	50.0	62.5		ug/L		125	64 - 133
Carbon tetrachloride	1.0	U	50.0	47.1		ug/L		94	72 - 136
Chlorobenzene	0.50	U	50.0	50.1		ug/L		100	82 - 118
Chlorobromomethane	1.0	U	50.0	46.7		ug/L		93	78 - 123
Chlorodibromomethane	1.0	U	50.0	43.8		ug/L		88	74 - 126
Chloroethane	5.0	U	50.0	46.9		ug/L		94	60 - 138
Chloroform	1.0	U	50.0	49.3		ug/L		99	79 - 124
Chloromethane	1.0	U	50.0	55.3		ug/L		111	50 - 139
2-Chlorotoluene	0.50	U	50.0	52.0		ug/L		104	79 - 122
4-Chlorotoluene	1.0	U	50.0	50.9		ug/L		102	78 - 122
cis-1,2-Dichloroethene	1.9		50.0	53.5		ug/L		103	78 - 123
cis-1,3-Dichloropropene	1.0	U	50.0	53.2		ug/L		106	75 - 124
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	50.2		ug/L		100	62 - 128
Dibromomethane	1.0	U	50.0	46.0		ug/L		92	79 - 123
1,2-Dichlorobenzene	1.0	U	50.0	50.3		ug/L		101	80 - 119
1,3-Dichlorobenzene	1.0	U	50.0	51.6		ug/L		103	80 - 119
1,4-Dichlorobenzene	1.0	U	50.0	50.6		ug/L		101	79 - 118
Dichlorobromomethane	1.0	U	50.0	50.5		ug/L		101	79 - 125
Dichlorodifluoromethane	1.0	U	50.0	63.5		ug/L		127	32 - 152
1,1-Dichloroethane	1.0	U	50.0	52.4		ug/L		105	77 - 125
1,2-Dichloroethane	1.0	U	50.0	45.8		ug/L		92	73 - 128
1,1-Dichloroethene	1.0	U	50.0	56.7		ug/L		113	71 - 131
1,2-Dichloroethene, Total	2.5		100	109		ug/L		106	79 - 121
1,2-Dichloropropane	1.0	U	50.0	53.1		ug/L		106	78 - 122
1,3-Dichloropropane	1.0	U	50.0	47.5		ug/L		95	80 - 119
2,2-Dichloropropane	1.0	U	50.0	55.0		ug/L		110	60 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	1.0	U	50.0	55.6		ug/L		111	79 - 125
Ethylbenzene	16		50.0	68.8		ug/L		106	79 - 121
Ethylene Dibromide	1.0	U	50.0	47.6		ug/L		95	75 - 127
Hexachlorobutadiene	5.0	U	50.0	59.5		ug/L		119	66 - 134
2-Hexanone	5.0	U	250	252		ug/L		101	57 - 139
Isopropylbenzene	0.50	U	50.0	53.1		ug/L		106	72 - 131
4-Isopropyltoluene	1.0	U	50.0	52.7		ug/L		105	77 - 127
Methylene Chloride	5.0	U	50.0	50.7		ug/L		101	74 - 124
4-Methyl-2-pentanone (MIBK)	5.0	U	250	248		ug/L		99	67 - 130
Methyl tert-butyl ether	0.50	U	50.0	47.9		ug/L		96	71 - 124
m-Xylene & p-Xylene	0.46	J	50.0	51.8		ug/L		103	80 - 121
Naphthalene	5.0	U	50.0	53.2		ug/L		106	61 - 128
n-Butylbenzene	1.0	U	50.0	54.9		ug/L		110	75 - 128
N-Propylbenzene	1.0	U	50.0	54.7		ug/L		109	76 - 126
o-Xylene	0.50	U	50.0	51.7		ug/L		103	78 - 122
sec-Butylbenzene	1.0	U	50.0	56.3		ug/L		113	77 - 126
Styrene	0.50	U	50.0	52.7		ug/L		105	78 - 123
tert-Butylbenzene	1.0	U	50.0	53.0		ug/L		106	78 - 124
1,1,1,2-Tetrachloroethane	1.0	U	50.0	51.7		ug/L		103	78 - 124
1,1,2,2-Tetrachloroethane	1.0	U	50.0	52.2		ug/L		104	71 - 121
Tetrachloroethene	1.0	U	50.0	51.0		ug/L		102	74 - 129
Toluene	3.0		50.0	53.6		ug/L		101	80 - 121
trans-1,2-Dichloroethene	0.59	J	50.0	55.1		ug/L		109	75 - 124
trans-1,3-Dichloropropene	1.0	U	50.0	50.5		ug/L		101	73 - 127
1,2,3-Trichlorobenzene	5.0	U	50.0	52.4		ug/L		105	69 - 129
1,2,4-Trichlorobenzene	5.0	U	50.0	51.5		ug/L		103	69 - 130
1,1,1-Trichloroethane	1.0	U	50.0	51.6		ug/L		103	74 - 131
1,1,2-Trichloroethane	1.0	U	50.0	47.9		ug/L		96	80 - 119
Trichloroethene	1.0	U	50.0	50.2		ug/L		100	79 - 123
Trichlorofluoromethane	1.0	U	50.0	50.7		ug/L		101	65 - 141
1,2,3-Trichloropropane	1.0	U	50.0	50.4		ug/L		101	73 - 122
1,2,4-Trimethylbenzene	1.0	U	50.0	54.4		ug/L		109	76 - 124
1,3,5-Trimethylbenzene	1.0	U	50.0	53.4		ug/L		107	75 - 124
Vinyl acetate	1.0	U	100	104		ug/L		104	54 - 146
Vinyl chloride	4.2		50.0	63.5		ug/L		119	58 - 137
Xylenes, Total	0.46	J	100	104		ug/L		103	79 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*
Dibromofluoromethane (Surr)	*97*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*
Toluene-d8 (Surr)	*104*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100		250	323		ug/L		89	39 - 160	2	20
Benzene	1.0	U	50.0	51.9		ug/L		104	79 - 120	0	20
Bromobenzene	1.0	U	50.0	48.6		ug/L		97	80 - 120	1	20
Bromoform	1.0	U	50.0	43.9		ug/L		88	66 - 130	1	20
Bromomethane	5.0	U	50.0	47.7		ug/L		95	53 - 141	0	20
2-Butanone (MEK)	520		250	765		ug/L		98	56 - 143	1	20
Carbon disulfide	2.0	U	50.0	62.6		ug/L		125	64 - 133	0	20
Carbon tetrachloride	1.0	U	50.0	47.2		ug/L		94	72 - 136	0	20
Chlorobenzene	0.50	U	50.0	50.8		ug/L		102	82 - 118	1	20
Chlorobromomethane	1.0	U	50.0	47.0		ug/L		94	78 - 123	1	20
Chlorodibromomethane	1.0	U	50.0	43.6		ug/L		87	74 - 126	0	20
Chloroethane	5.0	U	50.0	47.2		ug/L		94	60 - 138	1	20
Chloroform	1.0	U	50.0	49.4		ug/L		99	79 - 124	0	20
Chloromethane	1.0	U	50.0	56.1		ug/L		112	50 - 139	1	20
2-Chlorotoluene	0.50	U	50.0	52.4		ug/L		105	79 - 122	1	20
4-Chlorotoluene	1.0	U	50.0	51.3		ug/L		103	78 - 122	1	20
cis-1,2-Dichloroethene	1.9		50.0	52.3		ug/L		101	78 - 123	2	20
cis-1,3-Dichloropropene	1.0	U	50.0	52.9		ug/L		106	75 - 124	1	20
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	49.8		ug/L		100	62 - 128	1	20
Dibromomethane	1.0	U	50.0	46.0		ug/L		92	79 - 123	0	20
1,2-Dichlorobenzene	1.0	U	50.0	50.7		ug/L		101	80 - 119	1	20
1,3-Dichlorobenzene	1.0	U	50.0	51.3		ug/L		103	80 - 119	1	20
1,4-Dichlorobenzene	1.0	U	50.0	50.6		ug/L		101	79 - 118	0	20
Dichlorobromomethane	1.0	U	50.0	50.6		ug/L		101	79 - 125	0	20
Dichlorodifluoromethane	1.0	U	50.0	63.3		ug/L		127	32 - 152	0	20
1,1-Dichloroethane	1.0	U	50.0	52.9		ug/L		106	77 - 125	1	20
1,2-Dichloroethane	1.0	U	50.0	45.5		ug/L		91	73 - 128	1	20
1,1-Dichloroethene	1.0	U	50.0	57.8		ug/L		116	71 - 131	2	20
1,2-Dichloroethene, Total	2.5		100	108		ug/L		105	79 - 121	1	20
1,2-Dichloropropane	1.0	U	50.0	53.5		ug/L		107	78 - 122	1	20
1,3-Dichloropropane	1.0	U	50.0	47.8		ug/L		96	80 - 119	1	20
2,2-Dichloropropane	1.0	U	50.0	54.1		ug/L		108	60 - 139	2	20
1,1-Dichloropropene	1.0	U	50.0	55.8		ug/L		112	79 - 125	0	20
Ethylbenzene	16		50.0	69.1		ug/L		107	79 - 121	0	20
Ethylene Dibromide	1.0	U	50.0	47.5		ug/L		95	75 - 127	0	20
Hexachlorobutadiene	5.0	U	50.0	58.6		ug/L		117	66 - 134	2	20
2-Hexanone	5.0	U	250	254		ug/L		102	57 - 139	1	20
Isopropylbenzene	0.50	U	50.0	53.3		ug/L		107	72 - 131	0	20
4-Isopropyltoluene	1.0	U	50.0	52.0		ug/L		104	77 - 127	1	20
Methylene Chloride	5.0	U	50.0	51.5		ug/L		103	74 - 124	2	20
4-Methyl-2-pentanone (MIBK)	5.0	U	250	247		ug/L		99	67 - 130	0	20
Methyl tert-butyl ether	0.50	U	50.0	48.4		ug/L		97	71 - 124	1	20
m-Xylene & p-Xylene	0.46	J	50.0	52.1		ug/L		103	80 - 121	1	20
Naphthalene	5.0	U	50.0	52.6		ug/L		105	61 - 128	1	20
n-Butylbenzene	1.0	U	50.0	54.4		ug/L		109	75 - 128	1	20
N-Propylbenzene	1.0	U	50.0	54.9		ug/L		110	76 - 126	0	20
o-Xylene	0.50	U	50.0	51.7		ug/L		103	78 - 122	0	20
sec-Butylbenzene	1.0	U	50.0	56.0		ug/L		112	77 - 126	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 438541

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	0.50	U	50.0	53.0		ug/L		106	78 - 123	1	20
tert-Butylbenzene	1.0	U	50.0	53.0		ug/L		106	78 - 124	0	20
1,1,1,2-Tetrachloroethane	1.0	U	50.0	51.4		ug/L		103	78 - 124	1	20
1,1,2,2-Tetrachloroethane	1.0	U	50.0	51.6		ug/L		103	71 - 121	1	20
Tetrachloroethene	1.0	U	50.0	50.6		ug/L		101	74 - 129	1	20
Toluene	3.0		50.0	53.9		ug/L		102	80 - 121	1	20
trans-1,2-Dichloroethene	0.59	J	50.0	55.4		ug/L		110	75 - 124	0	20
trans-1,3-Dichloropropene	1.0	U	50.0	51.2		ug/L		102	73 - 127	1	20
1,2,3-Trichlorobenzene	5.0	U	50.0	51.5		ug/L		103	69 - 129	2	20
1,2,4-Trichlorobenzene	5.0	U	50.0	50.7		ug/L		101	69 - 130	1	20
1,1,1-Trichloroethane	1.0	U	50.0	51.9		ug/L		104	74 - 131	1	20
1,1,2-Trichloroethane	1.0	U	50.0	47.8		ug/L		96	80 - 119	0	20
Trichloroethene	1.0	U	50.0	49.7		ug/L		99	79 - 123	1	20
Trichlorofluoromethane	1.0	U	50.0	50.4		ug/L		101	65 - 141	1	20
1,2,3-Trichloropropane	1.0	U	50.0	51.1		ug/L		102	73 - 122	1	20
1,2,4-Trimethylbenzene	1.0	U	50.0	54.7		ug/L		109	76 - 124	1	20
1,3,5-Trimethylbenzene	1.0	U	50.0	53.5		ug/L		107	75 - 124	0	20
Vinyl acetate	1.0	U	100	105		ug/L		105	54 - 146	0	20
Vinyl chloride	4.2		50.0	63.5		ug/L		119	58 - 137	0	20
Xylenes, Total	0.46	J	100	104		ug/L		103	79 - 121	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*
Dibromofluoromethane (Surr)	*98*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*90*		*81 - 118*
Toluene-d8 (Surr)	*104*		*89 - 112*

Lab Sample ID: MB 680-438724/9
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 09:30	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 09:30	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 09:30	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 09:30	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 09:30	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 09:30	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 09:30	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 09:30	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 09:30	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 09:30	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 09:30	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 09:30	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 09:30	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 09:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-438724/9
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 09:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 09:30	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 09:30	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 09:30	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 09:30	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 09:30	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 09:30	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 09:30	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 09:30	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 09:30	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 09:30	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 09:30	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 09:30	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 09:30	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 09:30	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 09:30	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 09:30	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 09:30	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 09:30	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 09:30	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 09:30	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 09:30	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 09:30	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 09:30	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 09:30	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 09:30	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 09:30	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 09:30	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 09:30	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 09:30	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 09:30	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 09:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 09:30	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 09:30	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 09:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 09:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 09:30	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 09:30	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 09:30	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 09:30	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 09:30	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 09:30	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 09:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 09:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-438724/9
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 09:30	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 09:30	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 09:30	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 09:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 09:30*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 09:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*81 - 118*		*06/24/16 09:30*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*06/24/16 09:30*	*1*

Lab Sample ID: LCS 680-438724/4
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	228		ug/L		91	39 - 160
Benzene	50.0	49.8		ug/L		100	79 - 120
Bromobenzene	50.0	46.5		ug/L		93	80 - 120
Bromoform	50.0	40.8		ug/L		82	66 - 130
Bromomethane	50.0	44.2		ug/L		88	53 - 141
2-Butanone (MEK)	250	232		ug/L		93	56 - 143
Carbon disulfide	50.0	57.0		ug/L		114	64 - 133
Carbon tetrachloride	50.0	43.4		ug/L		87	72 - 136
Chlorobenzene	50.0	48.8		ug/L		98	82 - 118
Chlorobromomethane	50.0	46.5		ug/L		93	78 - 123
Chlorodibromomethane	50.0	42.7		ug/L		85	74 - 126
Chloroethane	50.0	44.4		ug/L		89	60 - 138
Chloroform	50.0	47.7		ug/L		95	79 - 124
Chloromethane	50.0	56.6		ug/L		113	50 - 139
2-Chlorotoluene	50.0	50.0		ug/L		100	79 - 122
4-Chlorotoluene	50.0	49.5		ug/L		99	78 - 122
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	78 - 123
cis-1,3-Dichloropropene	50.0	52.6		ug/L		105	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	45.2		ug/L		90	62 - 128
Dibromomethane	50.0	46.4		ug/L		93	79 - 123
1,2-Dichlorobenzene	50.0	49.4		ug/L		99	80 - 119
1,3-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 119
1,4-Dichlorobenzene	50.0	49.3		ug/L		99	79 - 118
Dichlorobromomethane	50.0	49.3		ug/L		99	79 - 125
Dichlorodifluoromethane	50.0	59.4		ug/L		119	32 - 152
1,1-Dichloroethane	50.0	50.6		ug/L		101	77 - 125
1,2-Dichloroethane	50.0	44.9		ug/L		90	73 - 128
1,1-Dichloroethene	50.0	52.4		ug/L		105	71 - 131
1,2-Dichloroethene, Total	100	101		ug/L		101	79 - 121
1,2-Dichloropropane	50.0	52.6		ug/L		105	78 - 122
1,3-Dichloropropane	50.0	47.8		ug/L		96	80 - 119
2,2-Dichloropropane	50.0	52.0		ug/L		104	60 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438724/4
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	52.5		ug/L		105	79 - 125
Ethylbenzene	50.0	50.0		ug/L		100	79 - 121
Ethylene Dibromide	50.0	47.0		ug/L		94	75 - 127
Hexachlorobutadiene	50.0	55.6		ug/L		111	66 - 134
2-Hexanone	250	235		ug/L		94	57 - 139
Isopropylbenzene	50.0	50.1		ug/L		100	72 - 131
4-Isopropyltoluene	50.0	49.5		ug/L		99	77 - 127
Methylene Chloride	50.0	50.2		ug/L		100	74 - 124
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	67 - 130
Methyl tert-butyl ether	50.0	47.8		ug/L		96	71 - 124
m-Xylene & p-Xylene	50.0	48.5		ug/L		97	80 - 121
Naphthalene	50.0	47.4		ug/L		95	61 - 128
n-Butylbenzene	50.0	50.8		ug/L		102	75 - 128
N-Propylbenzene	50.0	51.1		ug/L		102	76 - 126
o-Xylene	50.0	49.3		ug/L		99	78 - 122
sec-Butylbenzene	50.0	52.9		ug/L		106	77 - 126
Styrene	50.0	51.0		ug/L		102	78 - 123
tert-Butylbenzene	50.0	50.1		ug/L		100	78 - 124
1,1,1,2-Tetrachloroethane	50.0	49.7		ug/L		99	78 - 124
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	71 - 121
Tetrachloroethene	50.0	48.5		ug/L		97	74 - 129
Toluene	50.0	49.4		ug/L		99	80 - 121
trans-1,2-Dichloroethene	50.0	51.4		ug/L		103	75 - 124
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	73 - 127
1,2,3-Trichlorobenzene	50.0	48.6		ug/L		97	69 - 129
1,2,4-Trichlorobenzene	50.0	48.2		ug/L		96	69 - 130
1,1,1-Trichloroethane	50.0	48.7		ug/L		97	74 - 131
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	80 - 119
Trichloroethene	50.0	47.4		ug/L		95	79 - 123
Trichlorofluoromethane	50.0	46.5		ug/L		93	65 - 141
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	73 - 122
1,2,4-Trimethylbenzene	50.0	51.3		ug/L		103	76 - 124
1,3,5-Trimethylbenzene	50.0	50.6		ug/L		101	75 - 124
Vinyl acetate	100	101		ug/L		101	54 - 146
Vinyl chloride	50.0	55.7		ug/L		111	58 - 137
Xylenes, Total	100	97.8		ug/L		98	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*85 - 114*
Dibromofluoromethane (Surr)	*94*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*86*		*81 - 118*
Toluene-d8 (Surr)	*99*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-438724/5
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	229		ug/L		91	39 - 160	0	20
Benzene	50.0	51.2		ug/L		102	79 - 120	3	20
Bromobenzene	50.0	48.1		ug/L		96	80 - 120	3	20
Bromoform	50.0	42.0		ug/L		84	66 - 130	3	20
Bromomethane	50.0	46.2		ug/L		92	53 - 141	4	20
2-Butanone (MEK)	250	237		ug/L		95	56 - 143	2	20
Carbon disulfide	50.0	58.4		ug/L		117	64 - 133	2	20
Carbon tetrachloride	50.0	44.5		ug/L		89	72 - 136	2	20
Chlorobenzene	50.0	49.7		ug/L		99	82 - 118	2	20
Chlorobromomethane	50.0	47.6		ug/L		95	78 - 123	2	20
Chlorodibromomethane	50.0	43.7		ug/L		87	74 - 126	2	20
Chloroethane	50.0	45.0		ug/L		90	60 - 138	1	20
Chloroform	50.0	48.6		ug/L		97	79 - 124	2	20
Chloromethane	50.0	57.0		ug/L		114	50 - 139	1	20
2-Chlorotoluene	50.0	51.3		ug/L		103	79 - 122	3	20
4-Chlorotoluene	50.0	50.6		ug/L		101	78 - 122	2	20
cis-1,2-Dichloroethene	50.0	50.8		ug/L		102	78 - 123	3	20
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	75 - 124	4	20
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/L		96	62 - 128	6	20
Dibromomethane	50.0	46.7		ug/L		93	79 - 123	1	20
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 119	4	20
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	80 - 119	5	20
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	79 - 118	4	20
Dichlorobromomethane	50.0	50.9		ug/L		102	79 - 125	3	20
Dichlorodifluoromethane	50.0	59.1		ug/L		118	32 - 152	1	20
1,1-Dichloroethane	50.0	52.1		ug/L		104	77 - 125	3	20
1,2-Dichloroethane	50.0	45.9		ug/L		92	73 - 128	2	20
1,1-Dichloroethene	50.0	54.3		ug/L		109	71 - 131	3	20
1,2-Dichloroethene, Total	100	104		ug/L		104	79 - 121	3	20
1,2-Dichloropropane	50.0	53.6		ug/L		107	78 - 122	2	20
1,3-Dichloropropane	50.0	48.6		ug/L		97	80 - 119	2	20
2,2-Dichloropropane	50.0	52.7		ug/L		105	60 - 139	1	20
1,1-Dichloropropene	50.0	53.5		ug/L		107	79 - 125	2	20
Ethylbenzene	50.0	51.5		ug/L		103	79 - 121	3	20
Ethylene Dibromide	50.0	48.4		ug/L		97	75 - 127	3	20
Hexachlorobutadiene	50.0	57.9		ug/L		116	66 - 134	4	20
2-Hexanone	250	238		ug/L		95	57 - 139	1	20
Isopropylbenzene	50.0	51.5		ug/L		103	72 - 131	3	20
4-Isopropyltoluene	50.0	50.9		ug/L		102	77 - 127	3	20
Methylene Chloride	50.0	51.3		ug/L		103	74 - 124	2	20
4-Methyl-2-pentanone (MIBK)	250	238		ug/L		95	67 - 130	1	20
Methyl tert-butyl ether	50.0	48.8		ug/L		98	71 - 124	2	20
m-Xylene & p-Xylene	50.0	49.8		ug/L		100	80 - 121	3	20
Naphthalene	50.0	50.2		ug/L		100	61 - 128	6	20
n-Butylbenzene	50.0	52.7		ug/L		105	75 - 128	4	20
N-Propylbenzene	50.0	52.4		ug/L		105	76 - 126	2	20
o-Xylene	50.0	50.4		ug/L		101	78 - 122	2	20
sec-Butylbenzene	50.0	53.9		ug/L		108	77 - 126	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-438724/5
Matrix: Water
Analysis Batch: 438724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene			50.0	52.2		ug/L		104	78 - 123	2	20
tert-Butylbenzene			50.0	51.2		ug/L		102	78 - 124	2	20
1,1,1,2-Tetrachloroethane			50.0	50.7		ug/L		101	78 - 124	2	20
1,1,2,2-Tetrachloroethane			50.0	52.5		ug/L		105	71 - 121	5	20
Tetrachloroethene			50.0	49.0		ug/L		98	74 - 129	1	20
Toluene			50.0	50.5		ug/L		101	80 - 121	2	20
trans-1,2-Dichloroethene			50.0	53.0		ug/L		106	75 - 124	3	20
trans-1,3-Dichloropropene			50.0	52.0		ug/L		104	73 - 127	2	20
1,2,3-Trichlorobenzene			50.0	51.0		ug/L		102	69 - 129	5	20
1,2,4-Trichlorobenzene			50.0	51.1		ug/L		102	69 - 130	6	20
1,1,1-Trichloroethane			50.0	50.3		ug/L		101	74 - 131	3	20
1,1,2-Trichloroethane			50.0	49.0		ug/L		98	80 - 119	2	20
Trichloroethene			50.0	49.0		ug/L		98	79 - 123	3	20
Trichlorofluoromethane			50.0	46.6		ug/L		93	65 - 141	0	20
1,2,3-Trichloropropane			50.0	49.7		ug/L		99	73 - 122	2	20
1,2,4-Trimethylbenzene			50.0	53.0		ug/L		106	76 - 124	3	20
1,3,5-Trimethylbenzene			50.0	51.9		ug/L		104	75 - 124	3	20
Vinyl acetate			100	104		ug/L		104	54 - 146	3	20
Vinyl chloride			50.0	56.7		ug/L		113	58 - 137	2	20
Xylenes, Total			100	100		ug/L		100	79 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*
Dibromofluoromethane (Surr)	*97*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*89*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-438533/9
Matrix: Water
Analysis Batch: 438533

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/22/16 21:47	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/22/16 21:47	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		06/22/16 21:47	1
Methane (TCD)	77	U	390	77	39	ug/L		06/22/16 21:47	1

Lab Sample ID: LCS 680-438533/3
Matrix: Water
Analysis Batch: 438533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethane			288	259		ug/L		90	75 - 125		
Ethylene			269	234		ug/L		87	75 - 125		
Methane			154	128		ug/L		83	75 - 125		

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-438533/6
Matrix: Water
Analysis Batch: 438533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane (TCD)			1920	1670		ug/L		87	75 - 125		

Lab Sample ID: LCSD 680-438533/4
Matrix: Water
Analysis Batch: 438533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane			288	264		ug/L		92	75 - 125	2	30
Ethylene			269	238		ug/L		88	75 - 125	2	30
Methane			154	127		ug/L		82	75 - 125	1	30

Lab Sample ID: LCSD 680-438533/7
Matrix: Water
Analysis Batch: 438533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)			1920	1650		ug/L		86	75 - 125	1	30

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 438533

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethane	1.1	U	288	229		ug/L		79	75 - 125		
Ethylene	41	J	269	225	J	ug/L		68	75 - 125		
Methane (TCD)	13000	J	1920	13000	4	ug/L		-9	75 - 125		

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 438533

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	1.1	U	288	238		ug/L		82	75 - 125	4	30
Ethylene	41	J	269	235	J	ug/L		72	75 - 125	5	30
Methane (TCD)	13000	J	1920	14200	4	ug/L		56	75 - 125	9	30

Lab Sample ID: MB 680-438629/8
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/23/16 14:01	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 14:01	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		06/23/16 14:01	1
Methane (TCD)	77	U	390	77	39	ug/L		06/23/16 14:01	1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-438629/3
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	290		ug/L		100	75 - 125
Ethylene	269	271		ug/L		101	75 - 125
Methane	154	145		ug/L		94	75 - 125

Lab Sample ID: LCS 680-438629/6
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1730		ug/L		90	75 - 125

Lab Sample ID: LCSD 680-438629/4
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	288	280		ug/L		97	75 - 125	3	30
Ethylene	269	262		ug/L		97	75 - 125	3	30
Methane	154	141		ug/L		92	75 - 125	3	30

Lab Sample ID: LCSD 680-438629/7
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	1920	1710		ug/L		89	75 - 125	1	30

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-439027/2
Matrix: Water
Analysis Batch: 439027

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 09:59	1

Lab Sample ID: LCS 680-439027/3
Matrix: Water
Analysis Batch: 439027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.92		mg/L		99	87 - 112

Lab Sample ID: LCSD 680-439027/4
Matrix: Water
Analysis Batch: 439027

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	9.97		mg/L		100	87 - 112	1	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 439027

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	0.80	U J	10.0	8.46	M J	mg/L		85	87 - 112

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 439027

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	0.80	U J	10.0	8.45	M J	mg/L		85	87 - 112	0	15

Lab Sample ID: 680-126418-2 DU
Matrix: Water
Analysis Batch: 439027

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	0.80	U J	0.80	U	mg/L		NC	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-437765/1-A
Matrix: Water
Analysis Batch: 438008

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 437765

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/17/16 15:28	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/17/16 15:28	1

Lab Sample ID: LCS 680-437765/2-A
Matrix: Water
Analysis Batch: 438008

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 437765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4820		ug/L		96	87 - 115
Manganese	500	506		ug/L		101	90 - 114

Lab Sample ID: MB 680-438434/1-A
Matrix: Water
Analysis Batch: 438803

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 438434

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	109		50	50	17	ug/L		06/23/16 22:42	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/23/16 22:42	1

Lab Sample ID: LCS 680-438434/2-A
Matrix: Water
Analysis Batch: 438803

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 438434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4700		ug/L		94	87 - 115
Manganese	500	495		ug/L		99	90 - 114

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 680-438482/1-A
Matrix: Water
Analysis Batch: 438803

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 438482

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/24/16 08:57	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/24/16 08:57	1

Lab Sample ID: LCS 680-438482/2-A
Matrix: Water
Analysis Batch: 438803

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 438482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4610		ug/L		92	87 - 115
Manganese	500	486		ug/L		97	90 - 114

Lab Sample ID: 680-126356-3 MS
Matrix: Water
Analysis Batch: 438008

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Dissolved
Prep Batch: 437765

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	44000	J	5000	45900	4	ug/L		29	87 - 115
Manganese	8000	J	500	8230	4	ug/L		42	90 - 114

Lab Sample ID: 680-126356-3 MSD
Matrix: Water
Analysis Batch: 438008

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Dissolved
Prep Batch: 437765

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	44000	J	5000	46600	4	ug/L		43	87 - 115	1	20
Manganese	8000	J	500	8200	4	ug/L		35	90 - 114	0	20

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 438803

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Dissolved
Prep Batch: 438434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	280000	J B	5000	267000	4	ug/L		-181	87 - 115
Manganese	18000	J	500	17100	4	ug/L		-84	90 - 114

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 438803

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Dissolved
Prep Batch: 438434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	280000	J B	5000	263000	4	ug/L		-252	87 - 115	1	20
Manganese	18000	J	500	16900	4	ug/L		-128	90 - 114	1	20

Lab Sample ID: 680-126503-1 MS
Matrix: Water
Analysis Batch: 438803

Client Sample ID: G6M-13-04X
Prep Type: Dissolved
Prep Batch: 438482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	27000	J	5000	30600	4	ug/L		67	87 - 115

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-126503-1 MS
Matrix: Water
Analysis Batch: 438803

Client Sample ID: G6M-13-04X
Prep Type: Dissolved
Prep Batch: 438482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	6800	J	500	6890	4	ug/L		19	90 - 114

Lab Sample ID: 680-126503-1 MSD
Matrix: Water
Analysis Batch: 438803

Client Sample ID: G6M-13-04X
Prep Type: Dissolved
Prep Batch: 438482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	27000	J	5000	30600	4	ug/L		66	87 - 115	0	20
Manganese	6800	J	500	6950	4	ug/L		32	90 - 114	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-437766/1-A
Matrix: Water
Analysis Batch: 438009

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 437766

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/17/16 20:58	1

Lab Sample ID: LCS 680-437766/2-A
Matrix: Water
Analysis Batch: 438009

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 437766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		ug/L		100	84 - 116

Lab Sample ID: MB 680-438433/1-A
Matrix: Water
Analysis Batch: 438909

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 438433

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/23/16 11:51	1

Lab Sample ID: LCS 680-438433/2-A
Matrix: Water
Analysis Batch: 438909

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 438433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	107		ug/L		107	84 - 116

Lab Sample ID: MB 680-438481/1-A
Matrix: Water
Analysis Batch: 438794

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 438481

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		06/23/16 20:20	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-438481/2-A
Matrix: Water
Analysis Batch: 438794

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 438481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	105		ug/L		105	84 - 116

Lab Sample ID: 680-126356-3 MS
Matrix: Water
Analysis Batch: 438009

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Dissolved
Prep Batch: 437766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200		100	280		ug/L		85	84 - 116

Lab Sample ID: 680-126356-3 MSD
Matrix: Water
Analysis Batch: 438009

Client Sample ID: G6M-04-02X_SPR16
Prep Type: Dissolved
Prep Batch: 437766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	200		100	285		ug/L		90	84 - 116	2	20

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 438909

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Dissolved
Prep Batch: 438433

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	490	J	100	605	4	ug/L		111	84 - 116

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 438909

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Dissolved
Prep Batch: 438433

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	490	J	100	677	4	ug/L		183	84 - 116	11	20

Lab Sample ID: 680-126503-1 MS
Matrix: Water
Analysis Batch: 438794

Client Sample ID: G6M-13-04X
Prep Type: Dissolved
Prep Batch: 438481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	340	J	100	439		ug/L		96	84 - 116

Lab Sample ID: 680-126503-1 MSD
Matrix: Water
Analysis Batch: 438794

Client Sample ID: G6M-13-04X
Prep Type: Dissolved
Prep Batch: 438481

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	340	J	100	465	J	ug/L		122	84 - 116	6	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-330731/67
Matrix: Water
Analysis Batch: 330731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/21/16 12:31	1

Lab Sample ID: LCS 280-330731/66
Matrix: Water
Analysis Batch: 330731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	5.00	5.17		mg/L		103	90 - 110

Lab Sample ID: MRL 280-330731/21
Matrix: Water
Analysis Batch: 330731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.100	0.0870	J	mg/L		87	50 - 150

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 330731

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.050	U J	4.00	2.05	J	mg/L		51	90 - 110

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 330731

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.050	U J	4.00	2.02	J	mg/L		50	90 - 110	2	10

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-437968/1
Matrix: Water
Analysis Batch: 437968

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1

Lab Sample ID: LCS 680-437968/2
Matrix: Water
Analysis Batch: 437968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	10.8		mg/L		108	75 - 125

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCSD 680-437968/3
Matrix: Water
Analysis Batch: 437968

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			10.0	10.7		mg/L		107	75 - 125	1	30

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 437968

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	1.0	U	10.0	10.8		mg/L		108	75 - 125

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 437968

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	1.0	U	10.0	10.7		mg/L		107	75 - 125	1	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-330441/4
Matrix: Water
Analysis Batch: 330441

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		06/17/16 15:11	1

Lab Sample ID: LCS 280-330441/3
Matrix: Water
Analysis Batch: 330441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates			25.0	24.7		mg/L		99	88 - 112

Lab Sample ID: 680-126418-2 MS
Matrix: Water
Analysis Batch: 330441

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	150	J	25.0	169	4	mg/L		71	88 - 112

Lab Sample ID: 680-126418-2 MSD
Matrix: Water
Analysis Batch: 330441

Client Sample ID: G6M-13-06X_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	150	J	25.0	171	4	mg/L		79	88 - 112	1	15

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 280-330690/35
Matrix: Water
Analysis Batch: 330690

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		06/21/16 01:08	1

Lab Sample ID: MB 280-330690/4
Matrix: Water
Analysis Batch: 330690

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		06/20/16 16:38	1

Lab Sample ID: LCS 280-330690/3
Matrix: Water
Analysis Batch: 330690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	25.0		mg/L		100	88 - 112

Lab Sample ID: LCS 280-330690/34
Matrix: Water
Analysis Batch: 330690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	25.5		mg/L		102	88 - 112

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-330180/32
Matrix: Water
Analysis Batch: 330180

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.18	J	5.0	3.2	1.1	mg/L		06/16/16 16:13	1

Lab Sample ID: MB 280-330180/5
Matrix: Water
Analysis Batch: 330180

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.44	J	5.0	3.2	1.1	mg/L		06/16/16 13:27	1

Lab Sample ID: LCS 280-330180/3
Matrix: Water
Analysis Batch: 330180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	197		mg/L		98	90 - 110

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 280-330180/30
Matrix: Water
Analysis Batch: 330180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	199		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-330180/31
Matrix: Water
Analysis Batch: 330180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	200	197		mg/L		98	90 - 110	1	10

Lab Sample ID: LCSD 280-330180/4
Matrix: Water
Analysis Batch: 330180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	200	196		mg/L		98	90 - 110	1	10

Lab Sample ID: MB 280-330290/31
Matrix: Water
Analysis Batch: 330290

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	1.79	J	5.0	3.2	1.1	mg/L		06/17/16 14:46	1

Lab Sample ID: LCS 280-330290/30
Matrix: Water
Analysis Batch: 330290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	195		mg/L		98	90 - 110

Lab Sample ID: MB 280-331190/5
Matrix: Water
Analysis Batch: 331190

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.86	J	5.0	3.2	1.1	mg/L		06/24/16 08:42	1

Lab Sample ID: LCS 280-331190/4
Matrix: Water
Analysis Batch: 331190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	1000	1020		mg/L		102	90 - 110

GC/MS VOA

Analysis Batch: 438541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Total/NA	Water	8260B	
680-126356-2	G6M-04-01X_SPR16	Total/NA	Water	8260B	
680-126356-3	G6M-04-02X_SPR16	Total/NA	Water	8260B	
680-126356-3 MS	G6M-04-02X_SPR16	Total/NA	Water	8260B	
680-126356-3 MSD	G6M-04-02X_SPR16	Total/NA	Water	8260B	
680-126356-4	DUP-2	Total/NA	Water	8260B	
680-126356-5	Trip Blank	Total/NA	Water	8260B	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	8260B	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	8260B	
680-126418-2 MS	G6M-13-06X_SPR16	Total/NA	Water	8260B	
680-126418-2 MSD	G6M-13-06X_SPR16	Total/NA	Water	8260B	
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	8260B	
680-126418-4	G6M-93-13X_SPR16	Total/NA	Water	8260B	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	8260B	
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	8260B	
680-126418-7	Trip Blank	Total/NA	Water	8260B	
680-126418-8	DUP-1	Total/NA	Water	8260B	
LCS 680-438541/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-438541/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-438541/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 438724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Total/NA	Water	8260B	
680-126503-2	G6M-97-05B	Total/NA	Water	8260B	
680-126503-3	G6M-02-04X	Total/NA	Water	8260B	
680-126503-4	G6M-13-01X	Total/NA	Water	8260B	
680-126503-5	G6M-13-05X_SPR16	Total/NA	Water	8260B	
680-126503-6	G6M-03-01X_SPR16	Total/NA	Water	8260B	
680-126503-7	Trip Blank	Total/NA	Water	8260B	
680-126503-8	G6M-04-09X_SPR16	Total/NA	Water	8260B	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	8260B	
LCS 680-438724/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-438724/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-438724/9	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 438533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Total/NA	Water	RSK-175	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	RSK-175	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	RSK-175	
680-126418-2 MS	G6M-13-06X_SPR16	Total/NA	Water	RSK-175	
680-126418-2 MSD	G6M-13-06X_SPR16	Total/NA	Water	RSK-175	
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	RSK-175	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	RSK-175	
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	RSK-175	
680-126418-8	DUP-1	Total/NA	Water	RSK-175	
LCS 680-438533/3	Lab Control Sample	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 438533 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-438533/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-438533/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-438533/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 680-438533/9	Method Blank	Total/NA	Water	RSK-175	

Analysis Batch: 438629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Total/NA	Water	RSK-175	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	RSK-175	
LCS 680-438629/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-438629/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-438629/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-438629/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 680-438629/8	Method Blank	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 439027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Total/NA	Water	9056A	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	9056A	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	9056A	
680-126418-2 DU	G6M-13-06X_SPR16	Total/NA	Water	9056A	
680-126418-2 MS	G6M-13-06X_SPR16	Total/NA	Water	9056A	
680-126418-2 MSD	G6M-13-06X_SPR16	Total/NA	Water	9056A	
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	9056A	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	9056A	
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	9056A	
680-126418-8	DUP-1	Total/NA	Water	9056A	
680-126503-1	G6M-13-04X	Total/NA	Water	9056A	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	9056A	
LCS 680-439027/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-439027/4	Lab Control Sample Dup	Total/NA	Water	9056A	
MB 680-439027/2	Method Blank	Total/NA	Water	9056A	

Metals

Prep Batch: 437765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Dissolved	Water	3005A	
680-126356-2	G6M-04-01X_SPR16	Dissolved	Water	3005A	
680-126356-3	G6M-04-02X_SPR16	Dissolved	Water	3005A	
680-126356-3 MS	G6M-04-02X_SPR16	Dissolved	Water	3005A	
680-126356-3 MSD	G6M-04-02X_SPR16	Dissolved	Water	3005A	
680-126356-4	DUP-2	Dissolved	Water	3005A	
680-126418-1	G6M-04-10A_SPR16	Dissolved	Water	3005A	
680-126418-4	G6M-93-13X_SPR16	Dissolved	Water	3005A	
680-126418-5	G6M-07-02X_SPR16	Dissolved	Water	3005A	
680-126418-6	G6M-04-10X_SPR16	Dissolved	Water	3005A	
LCS 680-437765/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 437765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-437765/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 437766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Dissolved	Water	3005A	
680-126356-2	G6M-04-01X_SPR16	Dissolved	Water	3005A	
680-126356-3	G6M-04-02X_SPR16	Dissolved	Water	3005A	
680-126356-3 MS	G6M-04-02X_SPR16	Dissolved	Water	3005A	
680-126356-3 MSD	G6M-04-02X_SPR16	Dissolved	Water	3005A	
680-126356-4	DUP-2	Dissolved	Water	3005A	
680-126418-1	G6M-04-10A_SPR16	Dissolved	Water	3005A	
680-126418-4	G6M-93-13X_SPR16	Dissolved	Water	3005A	
680-126418-5	G6M-07-02X_SPR16	Dissolved	Water	3005A	
680-126418-6	G6M-04-10X_SPR16	Dissolved	Water	3005A	
LCS 680-437766/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-437766/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 438008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Dissolved	Water	6010C	437765
680-126356-2	G6M-04-01X_SPR16	Dissolved	Water	6010C	437765
680-126356-3	G6M-04-02X_SPR16	Dissolved	Water	6010C	437765
680-126356-3 MS	G6M-04-02X_SPR16	Dissolved	Water	6010C	437765
680-126356-3 MSD	G6M-04-02X_SPR16	Dissolved	Water	6010C	437765
680-126356-4	DUP-2	Dissolved	Water	6010C	437765
680-126418-1	G6M-04-10A_SPR16	Dissolved	Water	6010C	437765
680-126418-4	G6M-93-13X_SPR16	Dissolved	Water	6010C	437765
680-126418-5	G6M-07-02X_SPR16	Dissolved	Water	6010C	437765
680-126418-6	G6M-04-10X_SPR16	Dissolved	Water	6010C	437765
LCS 680-437765/2-A	Lab Control Sample	Total Recoverable	Water	6010C	437765
MB 680-437765/1-A	Method Blank	Total Recoverable	Water	6010C	437765

Analysis Batch: 438009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Dissolved	Water	6020A	437766
680-126356-2	G6M-04-01X_SPR16	Dissolved	Water	6020A	437766
680-126356-3	G6M-04-02X_SPR16	Dissolved	Water	6020A	437766
680-126356-3 MS	G6M-04-02X_SPR16	Dissolved	Water	6020A	437766
680-126356-3 MSD	G6M-04-02X_SPR16	Dissolved	Water	6020A	437766
680-126356-4	DUP-2	Dissolved	Water	6020A	437766
680-126418-1	G6M-04-10A_SPR16	Dissolved	Water	6020A	437766
680-126418-4	G6M-93-13X_SPR16	Dissolved	Water	6020A	437766
680-126418-5	G6M-07-02X_SPR16	Dissolved	Water	6020A	437766
680-126418-6	G6M-04-10X_SPR16	Dissolved	Water	6020A	437766
LCS 680-437766/2-A	Lab Control Sample	Total Recoverable	Water	6020A	437766
MB 680-437766/1-A	Method Blank	Total Recoverable	Water	6020A	437766

Prep Batch: 438433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-2	G6M-13-06X_SPR16	Dissolved	Water	3005A	
680-126418-2 MS	G6M-13-06X_SPR16	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 438433 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-2 MSD	G6M-13-06X_SPR16	Dissolved	Water	3005A	
680-126418-3	G6M-02-08X_SPR16	Dissolved	Water	3005A	
680-126418-8	DUP-1	Dissolved	Water	3005A	
LCS 680-438433/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-438433/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 438434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-2	G6M-13-06X_SPR16	Dissolved	Water	3005A	
680-126418-2 MS	G6M-13-06X_SPR16	Dissolved	Water	3005A	
680-126418-2 MSD	G6M-13-06X_SPR16	Dissolved	Water	3005A	
680-126418-3	G6M-02-08X_SPR16	Dissolved	Water	3005A	
680-126418-8	DUP-1	Dissolved	Water	3005A	
LCS 680-438434/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-438434/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 438481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Dissolved	Water	3005A	
680-126503-1 MS	G6M-13-04X	Dissolved	Water	3005A	
680-126503-1 MSD	G6M-13-04X	Dissolved	Water	3005A	
680-126503-2	G6M-97-05B	Dissolved	Water	3005A	
680-126503-3	G6M-02-04X	Dissolved	Water	3005A	
680-126503-4	G6M-13-01X	Dissolved	Water	3005A	
680-126503-5	G6M-13-05X_SPR16	Dissolved	Water	3005A	
680-126503-8	G6M-04-09X_SPR16	Dissolved	Water	3005A	
680-126503-9	G6M-02-11X_SPR16	Dissolved	Water	3005A	
LCS 680-438481/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-438481/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 438482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Dissolved	Water	3005A	
680-126503-1 MS	G6M-13-04X	Dissolved	Water	3005A	
680-126503-1 MSD	G6M-13-04X	Dissolved	Water	3005A	
680-126503-2	G6M-97-05B	Dissolved	Water	3005A	
680-126503-3	G6M-02-04X	Dissolved	Water	3005A	
680-126503-4	G6M-13-01X	Dissolved	Water	3005A	
680-126503-5	G6M-13-05X_SPR16	Dissolved	Water	3005A	
680-126503-8	G6M-04-09X_SPR16	Dissolved	Water	3005A	
680-126503-9	G6M-02-11X_SPR16	Dissolved	Water	3005A	
LCS 680-438482/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-438482/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 438794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Dissolved	Water	6020A	438481
680-126503-1 MS	G6M-13-04X	Dissolved	Water	6020A	438481
680-126503-1 MSD	G6M-13-04X	Dissolved	Water	6020A	438481
680-126503-2	G6M-97-05B	Dissolved	Water	6020A	438481
680-126503-3	G6M-02-04X	Dissolved	Water	6020A	438481

Metals (Continued)

Analysis Batch: 438794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-4	G6M-13-01X	Dissolved	Water	6020A	438481
680-126503-5	G6M-13-05X_SPR16	Dissolved	Water	6020A	438481
680-126503-8	G6M-04-09X_SPR16	Dissolved	Water	6020A	438481
680-126503-9	G6M-02-11X_SPR16	Dissolved	Water	6020A	438481
LCS 680-438481/2-A	Lab Control Sample	Total Recoverable	Water	6020A	438481
MB 680-438481/1-A	Method Blank	Total Recoverable	Water	6020A	438481

Analysis Batch: 438803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-2	G6M-13-06X_SPR16	Dissolved	Water	6010C	438434
680-126418-2 MS	G6M-13-06X_SPR16	Dissolved	Water	6010C	438434
680-126418-2 MSD	G6M-13-06X_SPR16	Dissolved	Water	6010C	438434
680-126418-3	G6M-02-08X_SPR16	Dissolved	Water	6010C	438434
680-126418-8	DUP-1	Dissolved	Water	6010C	438434
680-126503-1	G6M-13-04X	Dissolved	Water	6010C	438482
680-126503-1 MS	G6M-13-04X	Dissolved	Water	6010C	438482
680-126503-1 MSD	G6M-13-04X	Dissolved	Water	6010C	438482
680-126503-2	G6M-97-05B	Dissolved	Water	6010C	438482
680-126503-3	G6M-02-04X	Dissolved	Water	6010C	438482
680-126503-4	G6M-13-01X	Dissolved	Water	6010C	438482
680-126503-5	G6M-13-05X_SPR16	Dissolved	Water	6010C	438482
680-126503-8	G6M-04-09X_SPR16	Dissolved	Water	6010C	438482
680-126503-9	G6M-02-11X_SPR16	Dissolved	Water	6010C	438482
LCS 680-438434/2-A	Lab Control Sample	Total Recoverable	Water	6010C	438434
LCS 680-438482/2-A	Lab Control Sample	Total Recoverable	Water	6010C	438482
MB 680-438434/1-A	Method Blank	Total Recoverable	Water	6010C	438434
MB 680-438482/1-A	Method Blank	Total Recoverable	Water	6010C	438482

Analysis Batch: 438906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-3	G6M-02-08X_SPR16	Dissolved	Water	6010C	438434

Analysis Batch: 438909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-2	G6M-13-06X_SPR16	Dissolved	Water	6020A	438433
680-126418-2 MS	G6M-13-06X_SPR16	Dissolved	Water	6020A	438433
680-126418-2 MSD	G6M-13-06X_SPR16	Dissolved	Water	6020A	438433
680-126418-3	G6M-02-08X_SPR16	Dissolved	Water	6020A	438433
680-126418-8	DUP-1	Dissolved	Water	6020A	438433
LCS 680-438433/2-A	Lab Control Sample	Total Recoverable	Water	6020A	438433
MB 680-438433/1-A	Method Blank	Total Recoverable	Water	6020A	438433

General Chemistry

Analysis Batch: 330180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-6	G6M-02-01X_SPR16	Total/NA	Water	SM 2320B	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	SM 2320B	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	SM 2320B	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 330180 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	SM 2320B	
680-126418-8	DUP-1	Total/NA	Water	SM 2320B	
LCS 280-330180/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 280-330180/30	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-330180/31	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 280-330180/4	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
MB 280-330180/32	Method Blank	Total/NA	Water	SM 2320B	
MB 280-330180/5	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 330290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Total/NA	Water	SM 2320B	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	SM 2320B	
LCS 280-330290/30	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 280-330290/31	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 330441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-6	G6M-02-01X_SPR16	Total/NA	Water	9060A	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	9060A	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	9060A	
680-126418-2 MS	G6M-13-06X_SPR16	Total/NA	Water	9060A	
680-126418-2 MSD	G6M-13-06X_SPR16	Total/NA	Water	9060A	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	9060A	
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	9060A	
680-126418-8	DUP-1	Total/NA	Water	9060A	
680-126503-1	G6M-13-04X	Total/NA	Water	9060A	
680-126503-8	G6M-04-09X_SPR16	Total/NA	Water	9060A	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	9060A	
LCS 280-330441/3	Lab Control Sample	Total/NA	Water	9060A	
MB 280-330441/4	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 330690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	9060A	
LCS 280-330690/3	Lab Control Sample	Total/NA	Water	9060A	
LCS 280-330690/34	Lab Control Sample	Total/NA	Water	9060A	
MB 280-330690/35	Method Blank	Total/NA	Water	9060A	
MB 280-330690/4	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 330731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-6	G6M-02-01X_SPR16	Total/NA	Water	353.2	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	353.2	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	353.2	
680-126418-2 MS	G6M-13-06X_SPR16	Total/NA	Water	353.2	
680-126418-2 MSD	G6M-13-06X_SPR16	Total/NA	Water	353.2	
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	353.2	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	353.2	
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	353.2	
680-126418-8	DUP-1	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 330731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126503-1	G6M-13-04X	Total/NA	Water	353.2	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	353.2	
LCS 280-330731/66	Lab Control Sample	Total/NA	Water	353.2	
MB 280-330731/67	Method Blank	Total/NA	Water	353.2	
MRL 280-330731/21	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 331190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	SM 2320B	
LCS 280-331190/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 280-331190/5	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 437968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126356-1	G6M-02-01X_SPR16	Total/NA	Water	9034	
680-126418-1	G6M-04-10A_SPR16	Total/NA	Water	9034	
680-126418-2	G6M-13-06X_SPR16	Total/NA	Water	9034	
680-126418-2 MS	G6M-13-06X_SPR16	Total/NA	Water	9034	
680-126418-2 MSD	G6M-13-06X_SPR16	Total/NA	Water	9034	
680-126418-3	G6M-02-08X_SPR16	Total/NA	Water	9034	
680-126418-5	G6M-07-02X_SPR16	Total/NA	Water	9034	
680-126418-6	G6M-04-10X_SPR16	Total/NA	Water	9034	
680-126418-8	DUP-1	Total/NA	Water	9034	
680-126503-1	G6M-13-04X	Total/NA	Water	9034	
680-126503-9	G6M-02-11X_SPR16	Total/NA	Water	9034	
LCS 680-437968/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-437968/3	Lab Control Sample Dup	Total/NA	Water	9034	
MB 680-437968/1	Method Blank	Total/NA	Water	9034	

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-02-01X_SPR16

Lab Sample ID: 680-126356-1

Date Collected: 06/13/16 12:20

Matrix: Water

Date Received: 06/14/16 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 10:54	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/22/16 22:38	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 13:05	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 18:43	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 21:32	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: G6M-04-01X_SPR16

Lab Sample ID: 680-126356-2

Date Collected: 06/13/16 10:50

Matrix: Water

Date Received: 06/14/16 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 11:14	CEJ	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 18:48	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 21:37	BJB	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: G6M-04-02X_SPR16

Lab Sample ID: 680-126356-3

Date Collected: 06/13/16 14:10

Matrix: Water

Date Received: 06/14/16 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 10:13	CEJ	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 15:36	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 21:08	BJB	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: DUP-2

Lab Sample ID: 680-126356-4
Date Collected: 06/13/16 00:00
Matrix: Water
Date Received: 06/14/16 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 11:35	CEJ	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 19:02	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 21:43	BJB	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: Trip Blank

Lab Sample ID: 680-126356-5
Date Collected: 06/13/16 00:00
Matrix: Water
Date Received: 06/14/16 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 09:32	CEJ	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-02-01X_SPR16

Lab Sample ID: 680-126356-6
Date Collected: 06/13/16 12:20
Matrix: Water
Date Received: 06/15/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:05	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9060A		1			330441	06/17/16 16:10	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330180	06/16/16 15:11	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-04-10A_SPR16

Lab Sample ID: 680-126418-1
Date Collected: 06/14/16 13:30
Matrix: Water
Date Received: 06/15/16 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 11:55	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/22/16 23:16	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 13:23	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 19:58	BWR	TAL SAV
	Instrument ID: ICPE									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-04-10A_SPR16

Date Collected: 06/14/16 13:30
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 21:58	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:07	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330441	06/17/16 16:27	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330180	06/16/16 15:16	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-13-06X_SPR16

Date Collected: 06/14/16 07:15
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 10:33	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/22/16 23:29	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 11:56	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	438434	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/23/16 22:52	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438433	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438909	06/23/16 12:01	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:09	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		4.55			330441	06/17/16 16:43	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330180	06/16/16 15:23	IEU	TAL DEN
	Instrument ID: WC_AT2									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-02-08X_SPR16

Date Collected: 06/14/16 14:05
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	438541	06/23/16 13:17	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/23/16 00:08	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 13:40	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	438434	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/23/16 23:28	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	50 mL	438434	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6010C		50	50 mL	50 mL	438906	06/25/16 10:39	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438433	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438909	06/23/16 12:27	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:15	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		100			330690	06/21/16 02:38	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331190	06/24/16 08:53	IEU	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-93-13X_SPR16

Date Collected: 06/14/16 10:15
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 12:15	CEJ	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 20:03	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 22:03	BJB	TAL SAV
	Instrument ID: ICPMSC									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-07-02X_SPR16

Date Collected: 06/14/16 12:50
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	438541	06/23/16 13:37	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/23/16 00:20	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 13:58	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 20:08	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 22:08	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:17	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330441	06/17/16 18:15	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330180	06/16/16 15:37	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-04-10X_SPR16

Date Collected: 06/14/16 11:40
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 12:36	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/23/16 00:33	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 14:15	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	437765	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438008	06/17/16 20:12	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	437766	06/17/16 08:07	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438009	06/17/16 22:13	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:19	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-04-10X_SPR16

Date Collected: 06/14/16 11:40
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1			330441	06/17/16 18:59	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330180	06/16/16 15:41	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: Trip Blank

Date Collected: 06/14/16 00:00
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 09:53	CEJ	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: DUP-1

Date Collected: 06/14/16 00:00
Date Received: 06/15/16 09:09

Lab Sample ID: 680-126418-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438541	06/23/16 12:56	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438533	06/23/16 00:46	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 14:32	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	438434	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/23/16 23:33	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438433	06/22/16 11:38	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438909	06/23/16 12:32	BJB	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:33	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		4.55			330441	06/17/16 19:16	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330180	06/16/16 16:20	IEU	TAL DEN
	Instrument ID: WC_AT2									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-13-04X

Date Collected: 06/15/16 12:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 11:38	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438629	06/23/16 19:17	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 16:00	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 09:07	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 20:30	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:35	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330441	06/17/16 22:39	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1	1 mL		330290	06/17/16 15:17	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-97-05B

Date Collected: 06/15/16 09:55
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 11:58	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 09:44	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 20:55	BWR	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: G6M-02-04X

Date Collected: 06/15/16 14:50
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 12:19	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-02-04X
Date Collected: 06/15/16 14:50
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 09:49	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 21:01	BWR	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: G6M-13-01X
Date Collected: 06/15/16 11:00
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 12:39	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 09:54	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 21:06	BWR	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: G6M-13-05X_SPR16
Date Collected: 06/15/16 07:35
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	438724	06/24/16 14:42	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 09:59	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 21:21	BWR	TAL SAV
	Instrument ID: ICPMSC									

Client Sample ID: G6M-03-01X_SPR16
Date Collected: 06/15/16 12:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 12:59	DJK	TAL SAV
	Instrument ID: CMSB									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126503-7
Matrix: Water
Date Collected: 06/15/16 00:00
Date Received: 06/16/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 10:16	DJK	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-04-09X_SPR16

Lab Sample ID: 680-126503-8
Matrix: Water
Date Collected: 06/15/16 10:10
Date Received: 06/16/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 13:20	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 10:05	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 21:26	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	9060A		1			330441	06/17/16 22:56	CCJ	TAL DEN
	Instrument ID: WC_SHI3									

Client Sample ID: G6M-02-11X_SPR16

Lab Sample ID: 680-126503-9
Matrix: Water
Date Collected: 06/15/16 14:20
Date Received: 06/16/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438724	06/24/16 13:40	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438629	06/23/16 19:30	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 17:27	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	438482	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438803	06/24/16 10:10	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438481	06/22/16 14:56	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	438794	06/23/16 21:31	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	353.2		1	100 mL	100 mL	330731	06/21/16 13:37	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330441	06/17/16 23:13	CCJ	TAL DEN
	Instrument ID: WC_SHI3									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Client Sample ID: G6M-02-11X_SPR16
Date Collected: 06/15/16 14:20
Date Received: 06/16/16 09:15

Lab Sample ID: 680-126503-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	1 mL		330290	06/17/16 15:22	IEU	TAL DEN
	Instrument ID: WC_AT2									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

360325-Boston

CHAIN OF CUSTODY RECORD

KGS

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website. www.testamericainc com
Phone. (912) 354-7858
Fax: (912) 352-0165

PROJECT REFERENCE	PROJECT NO	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	AOC 50

TESTAMERICA (LAB) PROJECT MANAGER	P O NUMBER	CONTRACT NO
Jerry Lanier		W912WJ-15-C-0002

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445

CLIENT NAME	CLIENT EMAIL
KOMAN Government Solutions, LLC	lekes@komangs com

CLIENT ADDRESS

160 East Main Street,, Suite 2F, Westborough, MA 01581

Moore Airfield - AOC 50 - Area 2 and 3

PAGE: 1 of

STANDARD REPORT DELIVERY ○ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: NUMBER OF CONTAINERS SUBMITTED — VOCs (SW8260C) 3-40 ml VOA vials, HCL	Dissolved Gases for methane, ethane, ethene (RSK-175) 3-40 ml VOA vials, HCl	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly, HNO3	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353 2) 1 600 ml Poly, H2SO4	Sulfate (SW9056A or E300 with Nitrate) 1 250ml Poly	Sulfide (SM4500D-S-) 1 250 ml Poly, Zn acetate + NaOH	Total Organic Carbon (SM5310B) 250ml Glass Vials, H3PO4	REMARKS
6/13/16	1220	G6M-02-01X_SPR16		X				3	3	1	1	1	1	1	1	
6/13/16	1050	G6M-04-01X_SPR16		X				3		1						
~~6/13/16~~	~~1610~~	~~G6M-03-07X_SPR16~~		X				~~3~~	~~3~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
6/13/16	1410	G6M-04-02X_SPR16		X				3		1						MS/MSD
~~6/13/16~~		~~G6M-04-04X_SPR16~~		X				~~3~~	~~3~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
6/13/16	0000	DUP-2		X				3		1						ADD DUPS, TRIP, MS/MSD ETC.

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
	6/13/16	1455		6-13-16	1455		6-13-16	1800
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SAVANNAH LOG NO.	LABORATORY REMARKS
	06/14/16	0958	YES ○ NO ○ YES ○ NO ○		680-126356	2.4(C=)2.7°C

680-126356 Chain of Custody

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06/30/2016

CHAIN OF CUSTODY RECORD

360325-Boston

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

PROJECT REFERENCE	PROJECT NO	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	AOC 50

TESTAMERICA (LAB) PROJECT MANAGER	P O NUMBER	CONTRACT NO
Jerry Lanier		W912WJ-15-C-0002

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445

CLIENT NAME	CLIENT EMAIL
KOMAN Government Solutions, LLC	lekes@komangs.com

CLIENT ADDRESS

160 East Main Street,, Suite 2F, Westborough, MA 01581

Moore Airfield AOC 50 - Area 1

PAGE: 1 of

STANDARD REPORT DELIVERY ◯ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: VOCs (SW8260C) 3-40 ml VOA vials HCL	Dissolved Gases for methane, ethane, ethene (RSK-175) 2-40 ml VOA vials HCl	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly HNO3	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353.2) 1 500ml Poly H2SO4	Sulfate (SW8056A or E300 with Nitrate) 1 250ml Poly	Sulfide (SM4500D-S-) 1 250 ml Poly Zn acetate + NaOH	Total Organic Carbon (SM5310B) 2 40 ml VOA vials H3PO4	REMARKS
		NUMBER OF CONTAINERS SUBMITTED														
6/14/16	1330	G6M-04-10A_SPR16		X				3	3	1	1	1	1	1	2	
		~~G6M-04-09X_SPR16~~ 116A		~~X~~				~~3~~		~~1~~					~~2~~	
6/14/16	715	G6M-13-06X_SPR16		X				3	3	1	1	1	1	1	2	MS/MSD
6/14/16	1405	G6M-02-08X_SPR16		X				3	3	1	1	1	1	1	2	
6/14/16	1015	G6M-93-13X_SPR16		X				3		1						
		~~G6M-13-05X_SPR16~~ 116A		~~X~~				~~3~~		~~1~~						
6/14/16	~~1250~~	G6M-07-02X_SPR16		X				3	3	1	1	1	1	1	2	
6/14/16	1140	G6M-04-10X_SPR16		X				3	3	1	1	1	1	1	2	
		~~G6M-03-01X_SPR16~~ 116A		~~X~~				~~3~~								
		Trip Blank		X				2								ADD DUPS, TRIP, MS/MSD ETC.
6/14/16	0000	DUP-1		X				3	3	1	1	1	1	1	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)
	6/14/16	1525		6-14-16		
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	6-14-16	1525				

680-126418 Chain of Custody

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SAVANNAH LOG NO	LABORATORY REMARKS:
	061516	0900	YES ◯ NO ◯		680126418	1.5 (CF) 1.8°C

Page 98 of 108

6/30/2016

CHAIN OF CUSTODY RECORD

360325-Boston

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

353.2, 9060, SM2320B To Denver the rest to Savannah

PROJECT REFERENCE	PROJECT NO	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	AOC 50

TESTAMERICA (LAB) PROJECT MANAGER	P O NUMBER	CONTRACT NO
Jerry Lanier		W912WJ-15-C-0002

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445

CLIENT NAME	CLIENT EMAIL
KOMAN Government Solutions, LLC	lekes@komangs.com

CLIENT ADDRESS

160 East Main Street,, Suite 2F, Westborough, MA 01581

Moore Airfield AOC 50 - Area 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	MATRIX TYPE: SOLID OR SEMISOLID	MATRIX TYPE: AIR	MATRIX TYPE: NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: VOCs (SW8260C) 3-40 ml VOA vials	Dissolved Gases for methane, ethane, ethene (RSK-175) 2-40 ml VOA vials	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353.2) 1 500 ml Poly	Sulfate (SW9056A or E300 with Nitrate) 1 500 ml Poly	Sulfide (SM4500D-S-) 1 250 ml Poly	Total Organic Carbon (SM5310B) 2 40 ml VOA vials	REMARKS
		NUMBER OF CONTAINERS SUBMITTED						HCL	HCl	HNO3		H2SO4		Zn acetate + NaOH	H3PO4	
6/15/16	1220	~~G6M-04-18A_SPR16~~ G6M-13-04X		X				3	2	1	1	1	1	1	2	
6/15/16	955	~~G6M-04-09X_SPR16~~ G6M-07-05 B		X				3		1					2	
6/15/16	1450	~~G6M-13-06X_SPR16~~ G6M-02-04X		X				3	~~2~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
		G6M-02-08X_SPR16		X				3	2	1	1	1	1	1	2	
6/15/16	1100	~~G6M-03-13X_SPR16~~ G6M-13-01X		X				3		1						
6/15/16	735	G6M-13-05X_SPR16		X				3		1						
		G6M-07-02X_SPR16		X				3	2	1	1	1	1	1	2	
		G6M-04-10X_SPR16		X				3	2	1	1	1	1	1	2	
6/15/16	1220	G6M-03-01X_SPR16		X				3								
		Trip Blank		X				2								ADD DUPS, TRIP, MS/MSD ETC.
6/15/16	1010	G6M-04-09X_SPR16						3		1						
6/15/16	1420	G6M-02-11X_SPR16						3	2	1	1	1	1	1	1	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME
	6/15/16	1925		6/15/16	16:15			
RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	6/15/16	15:25						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SAVANNAH LOG NO	LABORATORY REMARKS
V. Jackson	6/16/16	~~9:10~~ 9:15	YES / NO		680-126503	0.9/1.2

680-126503 Chain of Custody

6/30/2016

360325-Boston

CHAIN OF CUSTODY RECORD

KGS

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	

TESTAMERICA (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Jerry Lanier		W912WJ-15-C-0002

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445

CLIENT NAME	CLIENT EMAIL
KOMAN Government Solutions, LLC	lekes@komangs.com

CLIENT ADDRESS

160 East Main Street,, Suite 2F, Westborough, MA 01581

Moore Airfield - AOC 50 - Area 2 and 3

PAGE: 1 of

STANDARD REPORT DELIVERY ○ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE:

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	MATRIX TYPE: SOLID OR SEMISOLID	MATRIX TYPE: AIR	MATRIX TYPE: NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: VOCs (SW8260C) 3-40 ml VOA vials, HCL	Dissolved Gases for methane, ethane, ethene (RSK-175) 3-40 ml VOA vials, HCl	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly, HNO3	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353.2) 1 500 ml Poly, H2SO4	Sulfate (SW8056A or E300 with Nitrate) 1 500ml Poly	Sulfide (SM4500D-S-) 1 250 ml Poly, Zn acetate + NaOH	Total Organic Carbon (SM5310B) 2-40ml Glass, HCl/H2SO4	REMARKS
								NUMBER OF CONTAINERS SUBMITTED								
6/13/16	1220	G6M-02-01X_SPR16		X				3	3	1	1	1	1	1	1	
6/13/16	1050	G6M-04-01X_SPR16		X				3		1						
		~~G6M-03-07X_SPR16~~ 16A		X				~~3~~	~~3~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
6/13/16	1410	G6M-04-02X_SPR16		X				3		1						MS/MSD
		~~G6M-04-04X_SPR16~~ 16A		X				~~3~~	~~2~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
6/13/16	0000	DUP-2		X				3		1						ADD DUPS, TRIP, MS/MSD ETC...

2320B, 353.2 AMBER 50GO TO DENVER

THE REST TO SAVANNAH.

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6/13/16	1455		6-13-16	1655		6-13-16	1800
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
							15Jun16	1000

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS:
			YES ○ NO ○		191RS-010	15Jun16

680-126356 Chain of Custody

360325-Boston

CHAIN OF CUSTODY RECORD

KGS

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	

TESTAMERICA (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Jerry Lanier		W912WJ-15-C-0002

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445

CLIENT NAME	CLIENT EMAIL
KOMAN Government Solutions, LLC	lekes@komangs.com

CLIENT ADDRESS: 160 East Main Street,, Suite 2F, Westborough, MA 01581

Moore Airfield - AOC 50 - Area 2 and 3

PAGE: 1 of

STANDARD REPORT DELIVERY ○ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE:

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (SW8260C) 3-40 ml VOA vials HCL	Dissolved Gases for methane, ethane, ethene (RSK-175) 3-40 ml VOA vials HCl	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly HNO3	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353.2) 1 500 ml Poly H2SO4	Sulfate (SW9056A or E300 with Nitrate) 1 500ml Poly	Sulfide (SM4500D-S-) 1 250 ml Poly Zn acetate + NaOH	Total Organic Carbon (SM5310B) 250ml Poly H3PO4	REMARKS
6/13/16	1220	G6M-02-01X_SPR16		X				3	3	1	1	1	1	1	1	
6/13/16	1050	G6M-04-01X_SPR16		X				3		1						
		~~G6M-03-07X_SPR16~~ ILLA		~~X~~				~~3~~	~~3~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
6/13/16	1410	G6M-04-02X_SPR16		X				3		1						MS/MSD ☆
		~~G6M-04-04X_SPR16~~ ILLA		~~X~~				~~3~~	~~2~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	
6/13/16	0000	DUP-2		X				3		1						ADD DUPS, TRIP, MS/MSD ETC...

2320B, 353.2 AMBER 5060 TO DENVER

THE REST TO SAVANNAH.

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6/13/16	1455		6-13-16	1455		6-13-16	1800
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
							15Jun16	1000

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS:
			YES ○ NO ○			191RS-0.0 SW 15Jun16

680-126356 Chain of Custody

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126356-1

Login Number: 126356
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126356-1

Login Number: 126356
List Number: 2
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 06/15/16 02:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126356-1

Login Number: 126418
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126356-1

Login Number: 126418
List Number: 2
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 06/15/16 02:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126356-1

Login Number: 126503
List Number: 1
Creator: Jackson, Victor L

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126356-1

Login Number: 126503
List Number: 2
Creator: White, Denise E

List Source: TestAmerica Denver
List Creation: 06/16/16 03:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126356-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-126561-1
Client Project/Site: Moore Airfield - AOC 50

For:
KOMAN Government Solutions, LLC
160 East Main St
Suite 2F
Westborough, Massachusetts 01581

Attn: Laurie Ekes

Jerry Lanier

Authorized for release by:
7/5/2016 4:41:20 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Certification Summary 85

Job ID: 680-126561-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: KOMAN Government Solutions, LLC

Project: Moore Airfield - AOC 50

Report Number: 680-126561-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 06/17/2016 and 06/18/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.5º C, 0.6º C, 2.9º C and 5.2º C.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-13-05X-H (680-126570-3), G6M-03-09X_SPR16 (680-126561-4), G6M-02-11X-H (680-126570-4), G6M-04-02X-H (680-126570-5), DUP-3 (680-126561-6), G6M-97-28X-H (680-126570-6), Trip Blank (680-126561-7), G6M-04-04X (680-126570-7), G6M-13-02X_SPR16 (680-126561-8) and Trip Blank (680-126570-8) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/24/2016, 06/25/2016 and 06/26/2016.

Sample G6M-13-05X-H (680-126570-3)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-438935.

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

DISSOLVED GASES
Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-03-09X_SPR16 (680-126561-4), DUP-3 (680-126561-6) and G6M-04-04X (680-126570-7) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 06/23/2016 and 06/24/2016.

The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-438629 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Methane in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Refer to the QC report for details.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 680-438758.

Job ID: 680-126561-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

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

METALS (ICP)

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-02-03X_SPR16 (680-126561-2), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-13-05X-H (680-126570-3), G6M-03-09X_SPR16 (680-126561-4), G6M-02-11X-H (680-126570-4), G6M-97-28X (680-126561-5), G6M-04-02X-H (680-126570-5), DUP-3 (680-126561-6), G6M-97-28X-H (680-126570-6), G6M-04-04X (680-126570-7) and G6M-13-02X_SPR16 (680-126561-8) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 06/24/2016, 06/27/2016, 06/28/2016 and 06/29/2016 and analyzed on 06/24/2016, 06/25/2016, 06/28/2016, 06/29/2016 and 06/30/2016.

The method blank for preparation batch 680-439005 and analytical batch 680-439368 contained iron above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Iron and Manganese failed the recovery criteria low for the MS/MSD of sample MW-3_SPR16 (680-126561-1) in batch 680-439368.

Refer to the QC report for details.

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

METALS (ICP-MS)

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-02-03X_SPR16 (680-126561-2), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-13-05X-H (680-126570-3), G6M-03-09X_SPR16 (680-126561-4), G6M-02-11X-H (680-126570-4), G6M-97-28X (680-126561-5), G6M-04-02X-H (680-126570-5), DUP-3 (680-126561-6), G6M-97-28X-H (680-126570-6), G6M-04-04X (680-126570-7) and G6M-13-02X_SPR16 (680-126561-8) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 06/24/2016, 06/27/2016 and 06/29/2016 and analyzed on 07/03/2016.

Arsenic failed the recovery criteria low for the MS of sample MW-3_SPR16MS (680-126561-1) in batch 680-439975.

Refer to the QC report for details.

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

ALKALINITY

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-03-09X_SPR16 (680-126561-4), DUP-3 (680-126561-6) and G6M-04-04X (680-126570-7) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 06/27/2016 and 06/28/2016.

Alkalinity was detected in method blank MB 280-331588/31 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Alkalinity was detected in method blank MB 280-331705/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

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

NITRATE-NITRITE AS NITROGEN

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-03-09X_SPR16 (680-126561-4), DUP-3 (680-126561-6) and G6M-04-04X (680-126570-7) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 06/22/2016.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 280-331024 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Job ID: 680-126561-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Refer to the QC report for details.

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

SULFIDE

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-03-09X_SPR16 (680-126561-4), DUP-3 (680-126561-6) and G6M-04-04X (680-126570-7) were analyzed for sulfide in accordance with EPA SW846 Method 9034. The samples were analyzed on 06/19/2016.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-03-09X_SPR16 (680-126561-4), DUP-3 (680-126561-6) and G6M-04-04X (680-126570-7) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with SW 846 9056A. The samples were analyzed on 06/27/2016.

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

TOTAL ORGANIC CARBON

Samples MW-3_SPR16 (680-126561-1), G6M-02-13X (680-126570-1), G6M-03-7X (680-126570-2), G6M-03-10X_SPR16 (680-126561-3), G6M-03-09X_SPR16 (680-126561-4), DUP-3 (680-126561-6) and G6M-04-04X (680-126570-7) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 06/21/2016.

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

Sample Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-126561-1	MW-3_SPR16	Water	06/16/16 08:50	06/17/16 09:15
680-126561-2	G6M-02-03X_SPR16	Water	06/16/16 16:40	06/17/16 09:15
680-126561-3	G6M-03-10X_SPR16	Water	06/16/16 09:20	06/17/16 09:15
680-126561-4	G6M-03-09X_SPR16	Water	06/16/16 10:40	06/17/16 09:15
680-126561-5	G6M-97-28X	Water	06/16/16 16:10	06/17/16 09:15
680-126561-6	DUP-3	Water	06/16/16 00:00	06/17/16 09:15
680-126561-7	Trip Blank	Water	06/16/16 00:00	06/17/16 09:15
680-126561-8	G6M-13-02X_SPR16	Water	06/16/16 14:30	06/17/16 09:15
680-126570-1	G6M-02-13X	Water	06/16/16 14:50	06/18/16 10:51
680-126570-2	G6M-03-7X	Water	06/16/16 16:15	06/18/16 10:51
680-126570-3	G6M-13-05X-H	Water	06/16/16 12:35	06/18/16 10:51
680-126570-4	G6M-02-11X-H	Water	06/16/16 12:00	06/18/16 10:51
680-126570-5	G6M-04-02X-H	Water	06/16/16 16:50	06/18/16 10:51
680-126570-6	G6M-97-28X-H	Water	06/16/16 17:05	06/18/16 10:51
680-126570-7	G6M-04-04X	Water	06/16/16 16:30	06/18/16 10:51
680-126570-8	Trip Blank	Water	06/16/16 00:00	06/18/16 10:51

Method Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9056A	Anions, Ion Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL DEN
SM 2320B	Alkalinity	SM	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
D	The reported value is from a dilution.

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.

HPLC/IC

Qualifier	Qualifier Description
M	Manual integrated compound.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.

General Chemistry

Qualifier	Qualifier Description
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: MW-3_SPR16 — Lab Sample ID: 680-126561-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.6	J	10	10	7.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.5		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.9	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Vinyl chloride	0.89	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	3.0		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Methane (TCD)	20000	J	390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	1.3	M	1.0	0.80	0.40	mg/L	1		9056A	Total/NA
Iron	45000	J B	50	50	17	ug/L	1		6010C	Dissolved
Manganese	9800	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	410	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	6.1		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	350		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-02-03X_SPR16 — Lab Sample ID: 680-126561-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Iron	20	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	310		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-03-10X_SPR16 — Lab Sample ID: 680-126561-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	14000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	3.3	M	1.0	0.80	0.40	mg/L	1		9056A	Total/NA
Iron	61000	B	50	50	17	ug/L	1		6010C	Dissolved
Manganese	1600		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	400		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	1.8		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	88		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-03-09X_SPR16 — Lab Sample ID: 680-126561-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methane	8.8		0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	16	M	1.0	0.80	0.40	mg/L	1		9056A	Total/NA
Manganese	81		10	3.0	1.0	ug/L	1		6010C	Dissolved
Total Organic Carbon - Duplicates	0.78	J	1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	43		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-97-28X — Lab Sample ID: 680-126561-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Iron	6000	B	50	50	17	ug/L	1		6010C	Dissolved
Manganese	2200		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	190		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: DUP-3 — Lab Sample ID: 680-126561-6

This Detection Summary does not include radiochemical test results.

TestAmerica Savannah

Client Sample ID: DUP-3 (Continued) — Lab Sample ID: 680-126561-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.2	J	10	10	7.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.85	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.2	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Vinyl chloride	0.74	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	3.9		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Methane (TCD)	21000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	1.2	M	1.0	0.80	0.40	mg/L	1		9056A	Total/NA
Iron	46000	B	50	50	17	ug/L	1		6010C	Dissolved
Manganese	9900		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	430		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	5.7		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	360		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 680-126561-7

No Detections.

Client Sample ID: G6M-13-02X_SPR16 — Lab Sample ID: 680-126561-8

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	61		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	61		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	0.86	J	1.0	1.0	0.67	ug/L	1		8260B	Total/NA
Tetrachloroethene	77		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.89	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	34		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	1.5		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	190		50	50	17	ug/L	1		6010C	Dissolved
Manganese	20		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	1.8	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-02-13X — Lab Sample ID: 680-126570-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	20		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	20		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.65	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	22		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	9.4		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	0.87	J	1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Ethylene	8.2		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	3400		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	7900		50	50	17	ug/L	1		6010C	Dissolved
Manganese	11000		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	96		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	2.4		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	210		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-03-7X — Lab Sample ID: 680-126570-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.73	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	2.2		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Toluene	0.61	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.5		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.61	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	0.73	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Methane (TCD)	28000		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	90000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	1600		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	440		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	26		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	200		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-13-05X-H — Lab Sample ID: 680-126570-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	46	D	20	20	8.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	46	D	40	20	15	ug/L	20		8260B	Total/NA
Tetrachloroethene	1100	D	20	20	15	ug/L	20		8260B	Total/NA
Trichloroethene	16	J D	20	20	9.6	ug/L	20		8260B	Total/NA
Manganese	110		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	1.5	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-02-11X-H — Lab Sample ID: 680-126570-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.41	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
Iron	35	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	9100		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	4.5		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-02X-H — Lab Sample ID: 680-126570-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	73		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	73		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	9.4		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	12		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	5.3		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	210		50	50	17	ug/L	1		6010C	Dissolved
Manganese	2400		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	5.1		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-97-28X-H — Lab Sample ID: 680-126570-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.3	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Iron	53		50	50	17	ug/L	1		6010C	Dissolved
Manganese	3000		10	3.0	1.0	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-97-28X-H (Continued) — Lab Sample ID: 680-126570-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-04X — Lab Sample ID: 680-126570-7

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.65	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	3.0		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.3		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Vinyl chloride	1.1		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	9.2		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Ethylene	86		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	31000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	30	M	1.0	0.80	0.40	mg/L	1		9056A	Total/NA
Iron	120000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	10000		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	580		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	8.6		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	160		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 680-126570-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: MW-3_SPR16
Date Collected: 06/16/16 08:50
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**9.6**	**J**	10	10	7.0	ug/L		06/24/16 23:00	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:00	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:00	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:00	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 23:00	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 23:00	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:00	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 23:00	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:00	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 23:00	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:00	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 23:00	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 23:00	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:00	1
cis-1,2-Dichloroethene	**1.5**		1.0	1.0	0.41	ug/L		06/24/16 23:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 23:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 23:00	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 23:00	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:00	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:00	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 23:00	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 23:00	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 23:00	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 23:00	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:00	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 23:00	1
1,2-Dichloroethene, Total	**1.9**	**J**	2.0	1.0	0.74	ug/L		06/24/16 23:00	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 23:00	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 23:00	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:00	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 23:00	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:00	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 23:00	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 23:00	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 23:00	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:00	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 23:00	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 23:00	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 23:00	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 23:00	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 23:00	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 23:00	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:00	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 23:00	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: MW-3_SPR16
Date Collected: 06/16/16 08:50
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 23:00	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 23:00	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:00	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:00	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:00	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:00	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:00	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:00	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 23:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 23:00	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 23:00	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 23:00	1
Vinyl chloride	**0.89**	**J**	1.0	1.0	0.50	ug/L		06/24/16 23:00	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 23:00*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 23:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*81 - 118*		*06/24/16 23:00*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*06/24/16 23:00*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**3.0**		1.1	1.1	0.55	ug/L		06/23/16 20:21	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 20:21	1
Methane (TCD)	**20000**	**J**	390	77	39	ug/L		06/23/16 20:21	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**1.3**	**M**	1.0	0.80	0.40	mg/L		06/27/16 16:17	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**45000**	**J B**	50	50	17	ug/L		06/28/16 11:29	1
Manganese	**9800**	**J**	10	3.0	1.0	ug/L		06/28/16 11:29	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**410**	**J**	3.0	3.0	1.5	ug/L		07/03/16 18:15	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U J	0.10	0.050	0.019	mg/L		06/22/16 16:15	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**6.1**		1.0	0.50	0.16	mg/L		06/21/16 17:09	1
Alkalinity	**350**		5.0	3.2	1.1	mg/L		06/27/16 16:44	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-02-03X_SPR16

Lab Sample ID: 680-126561-2

Date Collected: 06/16/16 16:40

Matrix: Water

Date Received: 06/17/16 09:15

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	20	J	50	50	17	ug/L		06/29/16 21:09	1
Manganese	310		10	3.0	1.0	ug/L		06/28/16 11:55	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		07/03/16 18:43	1

Client Sample ID: G6M-03-10X_SPR16

Lab Sample ID: 680-126561-3

Date Collected: 06/16/16 09:20

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 23:21	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:21	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:21	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:21	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 23:21	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 23:21	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:21	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 23:21	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:21	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 23:21	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:21	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 23:21	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 23:21	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 23:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 23:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 23:21	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 23:21	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:21	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:21	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 23:21	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 23:21	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 23:21	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 23:21	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:21	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 23:21	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 23:21	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 23:21	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 23:21	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:21	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 23:21	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:21	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 23:21	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 23:21	1

Client Sample ID: G6M-03-10X_SPR16
Date Collected: 06/16/16 09:20
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 23:21	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:21	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 23:21	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 23:21	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 23:21	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 23:21	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 23:21	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 23:21	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:21	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 23:21	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:21	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 23:21	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 23:21	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:21	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:21	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:21	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:21	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:21	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:21	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 23:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 23:21	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 23:21	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 23:21	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:21	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 23:21*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 23:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*81 - 118*		*06/24/16 23:21*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 23:21*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/23/16 21:00	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 21:00	1
Methane (TCD)	**14000**		390	77	39	ug/L		06/23/16 21:00	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**3.3**	**M**	1.0	0.80	0.40	mg/L		06/27/16 17:44	1

Client Sample ID: G6M-03-10X_SPR16

Lab Sample ID: 680-126561-3

Date Collected: 06/16/16 09:20

Matrix: Water

Date Received: 06/17/16 09:15

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	61000	B	50	50	17	ug/L		06/28/16 12:00	1
Manganese	1600		10	3.0	1.0	ug/L		06/28/16 12:00	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	400		3.0	3.0	1.5	ug/L		07/03/16 18:49	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:21	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	1.8		1.0	0.50	0.16	mg/L		06/21/16 17:56	1
Alkalinity	88		5.0	3.2	1.1	mg/L		06/27/16 16:49	1

Client Sample ID: G6M-03-09X_SPR16

Lab Sample ID: 680-126561-4

Date Collected: 06/16/16 10:40

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 23:41	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:41	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:41	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:41	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 23:41	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 23:41	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:41	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 23:41	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:41	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 23:41	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:41	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 23:41	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 23:41	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 23:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 23:41	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 23:41	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 23:41	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:41	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 23:41	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 23:41	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 23:41	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 23:41	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 23:41	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:41	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 23:41	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 23:41	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 23:41	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-03-09X_SPR16
Date Collected: 06/16/16 10:40
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 23:41	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:41	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 23:41	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:41	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 23:41	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 23:41	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 23:41	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:41	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 23:41	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 23:41	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 23:41	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 23:41	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 23:41	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 23:41	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:41	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 23:41	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 23:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 23:41	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 23:41	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:41	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 23:41	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 23:41	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 23:41	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 23:41	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 23:41	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 23:41	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 23:41	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 23:41	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 23:41	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 23:41	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/24/16 23:41*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 119*		*06/24/16 23:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*81 - 118*		*06/24/16 23:41*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 23:41*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/23/16 21:13	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 21:13	1
Methane	**8.8**		0.58	0.58	0.29	ug/L		06/23/16 21:13	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	16	M	1.0	0.80	0.40	mg/L		06/27/16 18:01	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/29/16 21:14	1
Manganese	81		10	3.0	1.0	ug/L		06/28/16 12:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		07/03/16 18:54	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:35	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	0.78	J	1.0	0.50	0.16	mg/L		06/21/16 18:11	1
Alkalinity	43		5.0	3.2	1.1	mg/L		06/27/16 16:54	1

Client Sample ID: G6M-97-28X

Lab Sample ID: 680-126561-5

Date Collected: 06/16/16 16:10

Matrix: Water

Date Received: 06/17/16 09:15

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	6000	B	50	50	17	ug/L		06/28/16 12:21	1
Manganese	2200		10	3.0	1.0	ug/L		06/28/16 12:21	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	190		3.0	3.0	1.5	ug/L		07/03/16 19:11	1

Client Sample ID: DUP-3

Lab Sample ID: 680-126561-6

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	9.2	J	10	10	7.0	ug/L		06/25/16 00:02	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/25/16 00:02	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/25/16 00:02	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/25/16 00:02	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/25/16 00:02	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/25/16 00:02	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/25/16 00:02	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/25/16 00:02	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/25/16 00:02	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/25/16 00:02	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/25/16 00:02	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/25/16 00:02	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/25/16 00:02	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/25/16 00:02	1
cis-1,2-Dichloroethene	0.85	J	1.0	1.0	0.41	ug/L		06/25/16 00:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/25/16 00:02	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: DUP-3
Date Collected: 06/16/16 00:00
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/25/16 00:02	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/25/16 00:02	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/25/16 00:02	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/25/16 00:02	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/25/16 00:02	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/25/16 00:02	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/25/16 00:02	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/25/16 00:02	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/25/16 00:02	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/25/16 00:02	1
1,2-Dichloroethene, Total	**1.2**	**J**	2.0	1.0	0.74	ug/L		06/25/16 00:02	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/25/16 00:02	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/25/16 00:02	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/25/16 00:02	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/25/16 00:02	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/25/16 00:02	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/25/16 00:02	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/25/16 00:02	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/25/16 00:02	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/25/16 00:02	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/25/16 00:02	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/25/16 00:02	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/25/16 00:02	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/25/16 00:02	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/25/16 00:02	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/25/16 00:02	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/25/16 00:02	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/25/16 00:02	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/25/16 00:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/25/16 00:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/25/16 00:02	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/25/16 00:02	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/25/16 00:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/25/16 00:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/25/16 00:02	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/25/16 00:02	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/25/16 00:02	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/25/16 00:02	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/25/16 00:02	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/25/16 00:02	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/25/16 00:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/25/16 00:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/25/16 00:02	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/25/16 00:02	1
Vinyl chloride	**0.74**	**J**	1.0	1.0	0.50	ug/L		06/25/16 00:02	1

Client Sample ID: DUP-3

Lab Sample ID: 680-126561-6

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/25/16 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/25/16 00:02*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*06/25/16 00:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*81 - 118*		*06/25/16 00:02*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/25/16 00:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**3.9**		1.1	1.1	0.55	ug/L		06/23/16 21:25	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 21:25	1
Methane (TCD)	**21000**		390	77	39	ug/L		06/23/16 21:25	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**1.2**	**M**	1.0	0.80	0.40	mg/L		06/27/16 18:54	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**46000**	**B**	50	50	17	ug/L		06/28/16 12:26	1
Manganese	**9900**		10	3.0	1.0	ug/L		06/28/16 12:26	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**430**		3.0	3.0	1.5	ug/L		07/03/16 19:17	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:37	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**5.7**		1.0	0.50	0.16	mg/L		06/21/16 18:55	1
Alkalinity	**360**		5.0	3.2	1.1	mg/L		06/27/16 17:00	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126561-7

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 20:17	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 20:17	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:17	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 20:17	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 20:17	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 20:17	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 20:17	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 20:17	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 20:17	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 20:17	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: Trip Blank
Date Collected: 06/16/16 00:00
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:17	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 20:17	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 20:17	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 20:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 20:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 20:17	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 20:17	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 20:17	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:17	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 20:17	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 20:17	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 20:17	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 20:17	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 20:17	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:17	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 20:17	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 20:17	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 20:17	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 20:17	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:17	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 20:17	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 20:17	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 20:17	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 20:17	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 20:17	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 20:17	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 20:17	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 20:17	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 20:17	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 20:17	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 20:17	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 20:17	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 20:17	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 20:17	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 20:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 20:17	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 20:17	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 20:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 20:17	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:17	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:17	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 20:17	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126561-7

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 20:17	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 20:17	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 20:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 20:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 20:17	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 20:17	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:17	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/24/16 20:17*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 20:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*81 - 118*		*06/24/16 20:17*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/24/16 20:17*	*1*

Client Sample ID: G6M-13-02X_SPR16

Lab Sample ID: 680-126561-8

Date Collected: 06/16/16 14:30

Matrix: Water

Date Received: 06/17/16 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 22:40	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 22:40	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 22:40	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 22:40	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 22:40	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 22:40	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 22:40	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 22:40	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 22:40	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 22:40	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 22:40	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 22:40	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 22:40	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 22:40	1
cis-1,2-Dichloroethene	**61**		1.0	1.0	0.41	ug/L		06/24/16 22:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 22:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 22:40	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 22:40	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:40	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 22:40	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 22:40	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 22:40	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 22:40	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 22:40	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 22:40	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 22:40	1
1,2-Dichloroethene, Total	**61**		2.0	1.0	0.74	ug/L		06/24/16 22:40	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-13-02X_SPR16
Date Collected: 06/16/16 14:30
Date Received: 06/17/16 09:15

Lab Sample ID: 680-126561-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dichloropropane	**0.86**	**J**	1.0	1.0	0.67	ug/L		06/24/16 22:40	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 22:40	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:40	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 22:40	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 22:40	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 22:40	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 22:40	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 22:40	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 22:40	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 22:40	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 22:40	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 22:40	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 22:40	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 22:40	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 22:40	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 22:40	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 22:40	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 22:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 22:40	1
Tetrachloroethene	**77**		1.0	1.0	0.74	ug/L		06/24/16 22:40	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 22:40	1
trans-1,2-Dichloroethene	**0.89**	**J**	1.0	1.0	0.37	ug/L		06/24/16 22:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 22:40	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:40	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:40	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 22:40	1
Trichloroethene	**34**		1.0	1.0	0.48	ug/L		06/24/16 22:40	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 22:40	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 22:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 22:40	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 22:40	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 22:40	1
Vinyl chloride	**1.5**		1.0	1.0	0.50	ug/L		06/24/16 22:40	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/24/16 22:40*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*06/24/16 22:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*81 - 118*		*06/24/16 22:40*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*06/24/16 22:40*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**190**		50	50	17	ug/L		06/29/16 21:40	1
Manganese	**20**		10	3.0	1.0	ug/L		06/28/16 12:32	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	1.8	J	3.0	3.0	1.5	ug/L		07/03/16 19:23	1

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-126570-1

Date Collected: 06/16/16 14:50

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 20:38	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 20:38	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:38	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 20:38	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 20:38	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 20:38	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 20:38	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 20:38	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 20:38	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 20:38	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:38	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 20:38	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 20:38	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 20:38	1
cis-1,2-Dichloroethene	20		1.0	1.0	0.41	ug/L		06/24/16 20:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 20:38	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 20:38	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 20:38	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:38	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 20:38	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 20:38	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 20:38	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 20:38	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 20:38	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 20:38	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 20:38	1
1,2-Dichloroethene, Total	20		2.0	1.0	0.74	ug/L		06/24/16 20:38	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 20:38	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 20:38	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:38	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 20:38	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 20:38	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 20:38	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 20:38	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 20:38	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 20:38	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 20:38	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 20:38	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 20:38	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 20:38	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-02-13X
Date Collected: 06/16/16 14:50
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 20:38	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 20:38	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 20:38	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 20:38	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 20:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 20:38	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 20:38	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 20:38	1
trans-1,2-Dichloroethene	**0.65**	**J**	1.0	1.0	0.37	ug/L		06/24/16 20:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 20:38	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 20:38	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 20:38	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 20:38	1
Trichloroethene	**22**		1.0	1.0	0.48	ug/L		06/24/16 20:38	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 20:38	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 20:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 20:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 20:38	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 20:38	1
Vinyl chloride	**9.4**		1.0	1.0	0.50	ug/L		06/24/16 20:38	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 20:38*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 119*		*06/24/16 20:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*81 - 118*		*06/24/16 20:38*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 20:38*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**0.87**	**J**	1.1	1.1	0.55	ug/L		06/24/16 16:41	1
Ethylene	**8.2**		1.0	1.0	0.50	ug/L		06/24/16 16:41	1
Methane (TCD)	**3400**		390	77	39	ug/L		06/24/16 16:41	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 19:11	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**7900**		50	50	17	ug/L		06/30/16 01:08	1
Manganese	**11000**		10	3.0	1.0	ug/L		06/30/16 01:08	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**96**		3.0	3.0	1.5	ug/L		07/03/16 19:56	1

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-126570-1

Date Collected: 06/16/16 14:50

Matrix: Water

Date Received: 06/18/16 10:51

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:39	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**2.4**		1.0	0.50	0.16	mg/L		06/21/16 22:11	1
Alkalinity	**210**		5.0	3.2	1.1	mg/L		06/27/16 17:06	1

Client Sample ID: G6M-03-7X

Lab Sample ID: 680-126570-2

Date Collected: 06/16/16 16:15

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/26/16 12:18	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 12:18	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:18	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 12:18	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/26/16 12:18	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/26/16 12:18	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 12:18	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/26/16 12:18	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 12:18	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/26/16 12:18	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:18	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/26/16 12:18	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/26/16 12:18	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 12:18	1
cis-1,2-Dichloroethene	**0.73**	**J**	1.0	1.0	0.41	ug/L		06/26/16 12:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/26/16 12:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/26/16 12:18	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/26/16 12:18	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:18	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 12:18	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/26/16 12:18	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/26/16 12:18	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/26/16 12:18	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/26/16 12:18	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:18	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/26/16 12:18	1
1,2-Dichloroethene, Total	**2.2**		2.0	1.0	0.74	ug/L		06/26/16 12:18	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/26/16 12:18	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/26/16 12:18	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:18	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/26/16 12:18	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 12:18	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/26/16 12:18	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/26/16 12:18	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/26/16 12:18	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 12:18	1

Client Sample ID: G6M-03-7X
Date Collected: 06/16/16 16:15
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/26/16 12:18	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/26/16 12:18	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/26/16 12:18	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/26/16 12:18	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/26/16 12:18	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/26/16 12:18	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 12:18	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/26/16 12:18	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 12:18	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/26/16 12:18	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/26/16 12:18	1
Toluene	**0.61**	**J**	1.0	1.0	0.48	ug/L		06/26/16 12:18	1
trans-1,2-Dichloroethene	**1.5**		1.0	1.0	0.37	ug/L		06/26/16 12:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 12:18	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:18	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:18	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 12:18	1
Trichloroethene	**0.61**	**J**	1.0	1.0	0.48	ug/L		06/26/16 12:18	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 12:18	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/26/16 12:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/26/16 12:18	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/26/16 12:18	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/26/16 12:18	1
Vinyl chloride	**0.73**	**J**	1.0	1.0	0.50	ug/L		06/26/16 12:18	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/26/16 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/26/16 12:18*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/26/16 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*81 - 118*		*06/26/16 12:18*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/26/16 12:18*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/24/16 16:54	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 16:54	1
Methane (TCD)	**28000**		390	77	39	ug/L		06/24/16 16:54	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 19:28	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**90000**		50	50	17	ug/L		06/30/16 01:13	1
Manganese	**1600**		10	3.0	1.0	ug/L		06/30/16 01:13	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-03-7X

Lab Sample ID: 680-126570-2

Date Collected: 06/16/16 16:15

Matrix: Water

Date Received: 06/18/16 10:51

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**440**		3.0	3.0	1.5	ug/L		07/03/16 20:02	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:41	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1
Total Organic Carbon - Duplicates	**26**		1.0	0.50	0.16	mg/L		06/21/16 22:25	1
Alkalinity	**200**		5.0	3.2	1.1	mg/L		06/28/16 11:44	1

Client Sample ID: G6M-13-05X-H

Lab Sample ID: 680-126570-3

Date Collected: 06/16/16 12:35

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	200	U	200	200	140	ug/L		06/26/16 12:39	20
Benzene	20	U	20	20	8.6	ug/L		06/26/16 12:39	20
Bromobenzene	20	U	20	20	10	ug/L		06/26/16 12:39	20
Bromoform	20	U	20	20	8.6	ug/L		06/26/16 12:39	20
Bromomethane	100	U	100	100	50	ug/L		06/26/16 12:39	20
2-Butanone (MEK)	200	U	200	200	68	ug/L		06/26/16 12:39	20
Carbon disulfide	40	U	40	40	8.6	ug/L		06/26/16 12:39	20
Carbon tetrachloride	20	U	20	20	6.6	ug/L		06/26/16 12:39	20
Chlorobenzene	10	U	20	10	5.2	ug/L		06/26/16 12:39	20
Chlorobromomethane	20	U	20	20	9.0	ug/L		06/26/16 12:39	20
Chlorodibromomethane	20	U	20	20	6.4	ug/L		06/26/16 12:39	20
Chloroethane	100	U	100	100	50	ug/L		06/26/16 12:39	20
Chloroform	20	U	20	20	10	ug/L		06/26/16 12:39	20
Chloromethane	20	U	20	20	8.0	ug/L		06/26/16 12:39	20
2-Chlorotoluene	10	U	20	10	5.4	ug/L		06/26/16 12:39	20
4-Chlorotoluene	20	U	20	20	9.0	ug/L		06/26/16 12:39	20
cis-1,2-Dichloroethene	**46**	**D**	20	20	8.2	ug/L		06/26/16 12:39	20
cis-1,3-Dichloropropene	20	U	20	20	8.0	ug/L		06/26/16 12:39	20
1,2-Dibromo-3-Chloropropane	40	U	100	40	22	ug/L		06/26/16 12:39	20
Dibromomethane	20	U	20	20	7.0	ug/L		06/26/16 12:39	20
1,2-Dichlorobenzene	20	U	20	20	7.4	ug/L		06/26/16 12:39	20
1,3-Dichlorobenzene	20	U	20	20	8.6	ug/L		06/26/16 12:39	20
1,4-Dichlorobenzene	20	U	20	20	9.2	ug/L		06/26/16 12:39	20
Dichlorobromomethane	20	U	20	20	8.8	ug/L		06/26/16 12:39	20
Dichlorodifluoromethane	20	U	20	20	12	ug/L		06/26/16 12:39	20
1,1-Dichloroethane	20	U	20	20	7.6	ug/L		06/26/16 12:39	20
1,2-Dichloroethane	20	U	20	20	10	ug/L		06/26/16 12:39	20
1,1-Dichloroethene	20	U	20	20	7.2	ug/L		06/26/16 12:39	20
1,2-Dichloroethene, Total	**46**	**D**	40	20	15	ug/L		06/26/16 12:39	20
1,2-Dichloropropane	20	U	20	20	13	ug/L		06/26/16 12:39	20
1,3-Dichloropropane	20	U	20	20	6.8	ug/L		06/26/16 12:39	20
2,2-Dichloropropane	20	U	20	20	7.4	ug/L		06/26/16 12:39	20
1,1-Dichloropropene	20	U	20	20	6.8	ug/L		06/26/16 12:39	20
Ethylbenzene	20	U	20	20	6.6	ug/L		06/26/16 12:39	20
Ethylene Dibromide	20	U	20	20	8.8	ug/L		06/26/16 12:39	20

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-13-05X-H
Date Collected: 06/16/16 12:35
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	100	U	100	100	50	ug/L		06/26/16 12:39	20
2-Hexanone	100	U	200	100	40	ug/L		06/26/16 12:39	20
Isopropylbenzene	10	U	20	10	7.0	ug/L		06/26/16 12:39	20
4-Isopropyltoluene	20	U	20	20	9.6	ug/L		06/26/16 12:39	20
Methylene Chloride	100	U	100	100	50	ug/L		06/26/16 12:39	20
4-Methyl-2-pentanone (MIBK)	100	U	200	100	42	ug/L		06/26/16 12:39	20
Methyl tert-butyl ether	10	U	200	10	6.0	ug/L		06/26/16 12:39	20
m-Xylene & p-Xylene	20	U	20	20	7.0	ug/L		06/26/16 12:39	20
Naphthalene	100	U	100	100	50	ug/L		06/26/16 12:39	20
n-Butylbenzene	20	U	20	20	9.4	ug/L		06/26/16 12:39	20
N-Propylbenzene	20	U	20	20	7.6	ug/L		06/26/16 12:39	20
o-Xylene	10	U	20	10	4.6	ug/L		06/26/16 12:39	20
sec-Butylbenzene	20	U	20	20	8.4	ug/L		06/26/16 12:39	20
Styrene	10	U	20	10	5.4	ug/L		06/26/16 12:39	20
tert-Butylbenzene	20	U	20	20	9.0	ug/L		06/26/16 12:39	20
1,1,1,2-Tetrachloroethane	20	U	20	20	7.4	ug/L		06/26/16 12:39	20
1,1,2,2-Tetrachloroethane	20	U	20	20	12	ug/L		06/26/16 12:39	20
Tetrachloroethene	**1100**	**D**	20	20	15	ug/L		06/26/16 12:39	20
Toluene	20	U	20	20	9.6	ug/L		06/26/16 12:39	20
trans-1,2-Dichloroethene	20	U	20	20	7.4	ug/L		06/26/16 12:39	20
trans-1,3-Dichloropropene	20	U	20	20	8.4	ug/L		06/26/16 12:39	20
1,2,3-Trichlorobenzene	100	U	100	100	50	ug/L		06/26/16 12:39	20
1,2,4-Trichlorobenzene	100	U	100	100	50	ug/L		06/26/16 12:39	20
1,1,1-Trichloroethane	20	U	20	20	7.4	ug/L		06/26/16 12:39	20
1,1,2-Trichloroethane	20	U	20	20	6.6	ug/L		06/26/16 12:39	20
Trichloroethene	**16**	**J D**	20	20	9.6	ug/L		06/26/16 12:39	20
Trichlorofluoromethane	20	U	20	20	8.4	ug/L		06/26/16 12:39	20
1,2,3-Trichloropropane	20	U	20	20	7.8	ug/L		06/26/16 12:39	20
1,2,4-Trimethylbenzene	20	U	20	20	9.4	ug/L		06/26/16 12:39	20
1,3,5-Trimethylbenzene	20	U	20	20	6.2	ug/L		06/26/16 12:39	20
Vinyl acetate	20	U	40	20	16	ug/L		06/26/16 12:39	20
Vinyl chloride	20	U	20	20	10	ug/L		06/26/16 12:39	20
Xylenes, Total	10	U	40	10	4.6	ug/L		06/26/16 12:39	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/26/16 12:39*	*20*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*06/26/16 12:39*	*20*
1,2-Dichloroethane-d4 (Surr)	*85*		*81 - 118*		*06/26/16 12:39*	*20*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/26/16 12:39*	*20*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/24/16 23:52	1
Manganese	**110**		10	3.0	1.0	ug/L		06/24/16 23:52	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**1.5**	**J**	3.0	3.0	1.5	ug/L		07/03/16 16:28	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-02-11X-H
Date Collected: 06/16/16 12:00
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/26/16 12:59	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 12:59	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:59	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 12:59	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/26/16 12:59	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/26/16 12:59	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 12:59	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/26/16 12:59	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 12:59	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/26/16 12:59	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:59	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/26/16 12:59	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/26/16 12:59	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 12:59	1
cis-1,2-Dichloroethene	**0.41**	**J**	1.0	1.0	0.41	ug/L		06/26/16 12:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/26/16 12:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/26/16 12:59	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/26/16 12:59	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:59	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 12:59	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/26/16 12:59	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/26/16 12:59	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/26/16 12:59	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/26/16 12:59	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:59	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/26/16 12:59	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/26/16 12:59	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/26/16 12:59	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/26/16 12:59	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:59	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/26/16 12:59	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 12:59	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/26/16 12:59	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/26/16 12:59	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/26/16 12:59	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 12:59	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/26/16 12:59	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/26/16 12:59	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/26/16 12:59	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/26/16 12:59	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/26/16 12:59	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/26/16 12:59	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 12:59	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/26/16 12:59	1

Client Sample ID: G6M-02-11X-H

Lab Sample ID: 680-126570-4

Date Collected: 06/16/16 12:00

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 12:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/26/16 12:59	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/26/16 12:59	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 12:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 12:59	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 12:59	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 12:59	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 12:59	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 12:59	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 12:59	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/26/16 12:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/26/16 12:59	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/26/16 12:59	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/26/16 12:59	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 12:59	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/26/16 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/26/16 12:59*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/26/16 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*81 - 118*		*06/26/16 12:59*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*06/26/16 12:59*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**35**	**J**	50	50	17	ug/L		06/25/16 00:18	1
Manganese	**9100**		10	3.0	1.0	ug/L		06/25/16 00:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**4.5**		3.0	3.0	1.5	ug/L		07/03/16 16:56	1

Client Sample ID: G6M-04-02X-H

Lab Sample ID: 680-126570-5

Date Collected: 06/16/16 16:50

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 21:39	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 21:39	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:39	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 21:39	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 21:39	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 21:39	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 21:39	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 21:39	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-04-02X-H
Date Collected: 06/16/16 16:50
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 21:39	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 21:39	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:39	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 21:39	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 21:39	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 21:39	1
cis-1,2-Dichloroethene	**73**		1.0	1.0	0.41	ug/L		06/24/16 21:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 21:39	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 21:39	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 21:39	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:39	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 21:39	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 21:39	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 21:39	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 21:39	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 21:39	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:39	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 21:39	1
1,2-Dichloroethene, Total	**73**		2.0	1.0	0.74	ug/L		06/24/16 21:39	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 21:39	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 21:39	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:39	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 21:39	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 21:39	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 21:39	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 21:39	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 21:39	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 21:39	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 21:39	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 21:39	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 21:39	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 21:39	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 21:39	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 21:39	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 21:39	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 21:39	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 21:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 21:39	1
Tetrachloroethene	**9.4**		1.0	1.0	0.74	ug/L		06/24/16 21:39	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 21:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 21:39	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:39	1

Client Sample ID: G6M-04-02X-H

Lab Sample ID: 680-126570-5

Date Collected: 06/16/16 16:50

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:39	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 21:39	1
Trichloroethene	**12**		1.0	1.0	0.48	ug/L		06/24/16 21:39	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 21:39	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 21:39	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 21:39	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 21:39	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 21:39	1
Vinyl chloride	**5.3**		1.0	1.0	0.50	ug/L		06/24/16 21:39	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/24/16 21:39*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*06/24/16 21:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*81 - 118*		*06/24/16 21:39*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 21:39*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**210**		50	50	17	ug/L		06/25/16 00:23	1
Manganese	**2400**		10	3.0	1.0	ug/L		06/25/16 00:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**5.1**		3.0	3.0	1.5	ug/L		07/03/16 17:02	1

Client Sample ID: G6M-97-28X-H

Lab Sample ID: 680-126570-6

Date Collected: 06/16/16 17:05

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 21:59	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 21:59	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:59	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 21:59	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 21:59	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 21:59	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 21:59	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 21:59	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 21:59	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 21:59	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:59	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 21:59	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 21:59	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 21:59	1
cis-1,2-Dichloroethene	**1.3**		1.0	1.0	0.41	ug/L		06/24/16 21:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 21:59	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-97-28X-H
Date Collected: 06/16/16 17:05
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 21:59	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 21:59	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:59	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 21:59	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 21:59	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 21:59	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 21:59	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 21:59	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:59	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 21:59	1
1,2-Dichloroethene, Total	**1.3**	**J**	2.0	1.0	0.74	ug/L		06/24/16 21:59	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 21:59	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 21:59	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:59	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 21:59	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 21:59	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 21:59	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 21:59	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 21:59	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 21:59	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 21:59	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 21:59	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 21:59	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 21:59	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 21:59	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 21:59	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 21:59	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 21:59	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 21:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 21:59	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 21:59	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 21:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 21:59	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 21:59	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 21:59	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 21:59	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 21:59	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 21:59	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 21:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 21:59	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 21:59	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 21:59	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 21:59	1

Client Sample ID: G6M-97-28X-H

Lab Sample ID: 680-126570-6

Date Collected: 06/16/16 17:05

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 21:59*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*06/24/16 21:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*81 - 118*		*06/24/16 21:59*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 21:59*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**53**		50	50	17	ug/L		06/25/16 00:39	1
Manganese	**3000**		10	3.0	1.0	ug/L		06/25/16 00:39	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**18**		3.0	3.0	1.5	ug/L		07/03/16 17:07	1

Client Sample ID: G6M-04-04X

Lab Sample ID: 680-126570-7

Date Collected: 06/16/16 16:30

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 22:19	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 22:19	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 22:19	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 22:19	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 22:19	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 22:19	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 22:19	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 22:19	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 22:19	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 22:19	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 22:19	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 22:19	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 22:19	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 22:19	1
cis-1,2-Dichloroethene	**0.65**	**J**	1.0	1.0	0.41	ug/L		06/24/16 22:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 22:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 22:19	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 22:19	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:19	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 22:19	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 22:19	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 22:19	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 22:19	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 22:19	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 22:19	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-04-04X
Date Collected: 06/16/16 16:30
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 22:19	1
1,2-Dichloroethene, Total	**3.0**		2.0	1.0	0.74	ug/L		06/24/16 22:19	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 22:19	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 22:19	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:19	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 22:19	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 22:19	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 22:19	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 22:19	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 22:19	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 22:19	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 22:19	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 22:19	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 22:19	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 22:19	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 22:19	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 22:19	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 22:19	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 22:19	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 22:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 22:19	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 22:19	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 22:19	1
trans-1,2-Dichloroethene	**2.3**		1.0	1.0	0.37	ug/L		06/24/16 22:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 22:19	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 22:19	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 22:19	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 22:19	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 22:19	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 22:19	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 22:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 22:19	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 22:19	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 22:19	1
Vinyl chloride	**1.1**		1.0	1.0	0.50	ug/L		06/24/16 22:19	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/24/16 22:19*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*06/24/16 22:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*81 - 118*		*06/24/16 22:19*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*06/24/16 22:19*	*1*

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: G6M-04-04X

Lab Sample ID: 680-126570-7

Date Collected: 06/16/16 16:30

Matrix: Water

Date Received: 06/18/16 10:51

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	9.2		1.1	1.1	0.55	ug/L		06/24/16 17:07	1
Ethylene	86		1.0	1.0	0.50	ug/L		06/24/16 17:07	1
Methane (TCD)	31000		390	77	39	ug/L		06/24/16 17:07	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	30	M	1.0	0.80	0.40	mg/L		06/27/16 19:46	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	120000		50	50	17	ug/L		06/30/16 01:18	1
Manganese	10000		10	3.0	1.0	ug/L		06/30/16 01:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	580		3.0	3.0	1.5	ug/L		07/03/16 20:08	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:43	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 08:45	1
Total Organic Carbon - Duplicates	8.6		1.0	0.50	0.16	mg/L		06/21/16 22:41	1
Alkalinity	160		5.0	3.2	1.1	mg/L		06/28/16 11:49	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-126570-8

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/18/16 10:51

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 19:57	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 19:57	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:57	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 19:57	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 19:57	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 19:57	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 19:57	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 19:57	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 19:57	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 19:57	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:57	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 19:57	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 19:57	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 19:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 19:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 19:57	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 19:57	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 19:57	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:57	1

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: Trip Blank
Date Collected: 06/16/16 00:00
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 19:57	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 19:57	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 19:57	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 19:57	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 19:57	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:57	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 19:57	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 19:57	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 19:57	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 19:57	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:57	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 19:57	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 19:57	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 19:57	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 19:57	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 19:57	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 19:57	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 19:57	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 19:57	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 19:57	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 19:57	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 19:57	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 19:57	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 19:57	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 19:57	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 19:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 19:57	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 19:57	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 19:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 19:57	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:57	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:57	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 19:57	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 19:57	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 19:57	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 19:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 19:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 19:57	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 19:57	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:57	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 19:57*	*1*

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Client Sample ID: Trip Blank
Date Collected: 06/16/16 00:00
Date Received: 06/18/16 10:51

Lab Sample ID: 680-126570-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	93		80 - 119		06/24/16 19:57	1
1,2-Dichloroethane-d4 (Surr)	88		81 - 118		06/24/16 19:57	1
Toluene-d8 (Surr)	103		89 - 112		06/24/16 19:57	1

Surrogate Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(85-114)	(80-119)	(81-118)	(89-112)
680-126561-1	MW-3_SPR16	111	93	86	104
680-126561-1 MS	MW-3_SPR16	105	99	89	100
680-126561-1 MSD	MW-3_SPR16	107	97	89	100
680-126561-3	G6M-03-10X_SPR16	111	93	86	103
680-126561-4	G6M-03-09X_SPR16	112	90	85	103
680-126561-6	DUP-3	111	94	88	102
680-126561-7	Trip Blank	110	93	87	102
680-126561-8	G6M-13-02X_SPR16	112	92	86	104
680-126570-1	G6M-02-13X	111	91	85	103
680-126570-2	G6M-03-7X	112	93	86	102
680-126570-3	G6M-13-05X-H	112	92	85	103
680-126570-4	G6M-02-11X-H	111	93	85	102
680-126570-5	G6M-04-02X-H	112	92	85	103
680-126570-6	G6M-97-28X-H	111	92	86	103
680-126570-7	G6M-04-04X	112	93	85	105
680-126570-8	Trip Blank	111	93	88	103
LCS 680-438880/3	Lab Control Sample	106	102	96	97
LCS 680-438935/3	Lab Control Sample	106	98	89	102
LCSD 680-438880/4	Lab Control Sample Dup	105	103	96	99
LCSD 680-438935/4	Lab Control Sample Dup	107	96	90	100
MB 680-438880/8	Method Blank	111	91	87	103
MB 680-438935/9	Method Blank	113	92	84	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-438880/8
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/24/16 19:36	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 19:36	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:36	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 19:36	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/24/16 19:36	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/24/16 19:36	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 19:36	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/24/16 19:36	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 19:36	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/24/16 19:36	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:36	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 19:36	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 19:36	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 19:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/24/16 19:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/24/16 19:36	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/24/16 19:36	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 19:36	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:36	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/24/16 19:36	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/24/16 19:36	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 19:36	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/24/16 19:36	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 19:36	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:36	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/24/16 19:36	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/24/16 19:36	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/24/16 19:36	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 19:36	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:36	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/24/16 19:36	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 19:36	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/24/16 19:36	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/24/16 19:36	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/24/16 19:36	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 19:36	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/24/16 19:36	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/24/16 19:36	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/24/16 19:36	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 19:36	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/24/16 19:36	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/24/16 19:36	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 19:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-438880/8
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/24/16 19:36	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/24/16 19:36	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/24/16 19:36	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/24/16 19:36	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 19:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 19:36	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/24/16 19:36	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/24/16 19:36	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/24/16 19:36	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/24/16 19:36	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/24/16 19:36	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/24/16 19:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/24/16 19:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/24/16 19:36	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/24/16 19:36	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 19:36	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/24/16 19:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/24/16 19:36*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 119*		*06/24/16 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*81 - 118*		*06/24/16 19:36*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*06/24/16 19:36*	*1*

Lab Sample ID: LCS 680-438880/3
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	284		ug/L		114	39 - 160
Benzene	50.0	53.5		ug/L		107	79 - 120
Bromobenzene	50.0	45.2		ug/L		90	80 - 120
Bromoform	50.0	44.8		ug/L		90	66 - 130
Bromomethane	50.0	47.0		ug/L		94	53 - 141
2-Butanone (MEK)	250	276		ug/L		110	56 - 143
Carbon disulfide	50.0	59.4		ug/L		119	64 - 133
Carbon tetrachloride	50.0	46.1		ug/L		92	72 - 136
Chlorobenzene	50.0	47.7		ug/L		95	82 - 118
Chlorobromomethane	50.0	51.0		ug/L		102	78 - 123
Chlorodibromomethane	50.0	46.4		ug/L		93	74 - 126
Chloroethane	50.0	46.4		ug/L		93	60 - 138
Chloroform	50.0	51.2		ug/L		102	79 - 124
Chloromethane	50.0	55.4		ug/L		111	50 - 139
2-Chlorotoluene	50.0	48.2		ug/L		96	79 - 122
4-Chlorotoluene	50.0	47.2		ug/L		94	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438880/3
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	78 - 123
cis-1,3-Dichloropropene	50.0	58.6		ug/L		117	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	51.7		ug/L		103	62 - 128
Dibromomethane	50.0	51.3		ug/L		103	79 - 123
1,2-Dichlorobenzene	50.0	49.9		ug/L		100	80 - 119
1,3-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 119
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	79 - 118
Dichlorobromomethane	50.0	53.7		ug/L		107	79 - 125
Dichlorodifluoromethane	50.0	56.8		ug/L		114	32 - 152
1,1-Dichloroethane	50.0	52.9		ug/L		106	77 - 125
1,2-Dichloroethane	50.0	48.3		ug/L		97	73 - 128
1,1-Dichloroethene	50.0	54.8		ug/L		110	71 - 131
1,2-Dichloroethene, Total	100	109		ug/L		109	79 - 121
1,2-Dichloropropane	50.0	58.5		ug/L		117	78 - 122
1,3-Dichloropropane	50.0	52.6		ug/L		105	80 - 119
2,2-Dichloropropane	50.0	52.6		ug/L		105	60 - 139
1,1-Dichloropropene	50.0	55.0		ug/L		110	79 - 125
Ethylbenzene	50.0	48.2		ug/L		96	79 - 121
Ethylene Dibromide	50.0	54.6		ug/L		109	75 - 127
Hexachlorobutadiene	50.0	55.2		ug/L		110	66 - 134
2-Hexanone	250	294		ug/L		118	57 - 139
Isopropylbenzene	50.0	48.7		ug/L		97	72 - 131
4-Isopropyltoluene	50.0	48.6		ug/L		97	77 - 127
Methylene Chloride	50.0	54.1		ug/L		108	74 - 124
4-Methyl-2-pentanone (MIBK)	250	290		ug/L		116	67 - 130
Methyl tert-butyl ether	50.0	53.2		ug/L		106	71 - 124
m-Xylene & p-Xylene	50.0	46.9		ug/L		94	80 - 121
Naphthalene	50.0	48.8		ug/L		98	61 - 128
n-Butylbenzene	50.0	49.2		ug/L		98	75 - 128
N-Propylbenzene	50.0	48.9		ug/L		98	76 - 126
o-Xylene	50.0	46.9		ug/L		94	78 - 122
sec-Butylbenzene	50.0	50.2		ug/L		100	77 - 126
Styrene	50.0	48.8		ug/L		98	78 - 123
tert-Butylbenzene	50.0	47.8		ug/L		96	78 - 124
1,1,1,2-Tetrachloroethane	50.0	48.3		ug/L		97	78 - 124
1,1,2,2-Tetrachloroethane	50.0	53.7		ug/L		107	71 - 121
Tetrachloroethene	50.0	51.1		ug/L		102	74 - 129
Toluene	50.0	53.7		ug/L		107	80 - 121
trans-1,2-Dichloroethene	50.0	56.2		ug/L		112	75 - 124
trans-1,3-Dichloropropene	50.0	54.8		ug/L		110	73 - 127
1,2,3-Trichlorobenzene	50.0	47.5		ug/L		95	69 - 129
1,2,4-Trichlorobenzene	50.0	48.0		ug/L		96	69 - 130
1,1,1-Trichloroethane	50.0	50.9		ug/L		102	74 - 131
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	80 - 119
Trichloroethene	50.0	51.9		ug/L		104	79 - 123
Trichlorofluoromethane	50.0	47.0		ug/L		94	65 - 141
1,2,3-Trichloropropane	50.0	50.9		ug/L		102	73 - 122
1,2,4-Trimethylbenzene	50.0	48.9		ug/L		98	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438880/3
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	48.3		ug/L		97	75 - 124
Vinyl acetate	100	97.1		ug/L		97	54 - 146
Vinyl chloride	50.0	56.7		ug/L		113	58 - 137
Xylenes, Total	100	93.8		ug/L		94	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*
Dibromofluoromethane (Surr)	*102*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*96*		*81 - 118*
Toluene-d8 (Surr)	*97*		*89 - 112*

Lab Sample ID: LCSD 680-438880/4
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	284		ug/L		113	39 - 160	0	20
Benzene	50.0	53.9		ug/L		108	79 - 120	1	20
Bromobenzene	50.0	46.1		ug/L		92	80 - 120	2	20
Bromoform	50.0	44.4		ug/L		89	66 - 130	1	20
Bromomethane	50.0	47.4		ug/L		95	53 - 141	1	20
2-Butanone (MEK)	250	269		ug/L		108	56 - 143	3	20
Carbon disulfide	50.0	59.9		ug/L		120	64 - 133	1	20
Carbon tetrachloride	50.0	47.0		ug/L		94	72 - 136	2	20
Chlorobenzene	50.0	47.5		ug/L		95	82 - 118	0	20
Chlorobromomethane	50.0	50.7		ug/L		101	78 - 123	1	20
Chlorodibromomethane	50.0	46.3		ug/L		93	74 - 126	0	20
Chloroethane	50.0	46.0		ug/L		92	60 - 138	1	20
Chloroform	50.0	51.8		ug/L		104	79 - 124	1	20
Chloromethane	50.0	54.6		ug/L		109	50 - 139	1	20
2-Chlorotoluene	50.0	48.5		ug/L		97	79 - 122	1	20
4-Chlorotoluene	50.0	47.6		ug/L		95	78 - 122	1	20
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	78 - 123	0	20
cis-1,3-Dichloropropene	50.0	58.4		ug/L		117	75 - 124	0	20
1,2-Dibromo-3-Chloropropane	50.0	51.5		ug/L		103	62 - 128	0	20
Dibromomethane	50.0	50.4		ug/L		101	79 - 123	2	20
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 119	1	20
1,3-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 119	0	20
1,4-Dichlorobenzene	50.0	49.7		ug/L		99	79 - 118	0	20
Dichlorobromomethane	50.0	53.2		ug/L		106	79 - 125	1	20
Dichlorodifluoromethane	50.0	57.4		ug/L		115	32 - 152	1	20
1,1-Dichloroethane	50.0	53.1		ug/L		106	77 - 125	0	20
1,2-Dichloroethane	50.0	48.5		ug/L		97	73 - 128	0	20
1,1-Dichloroethene	50.0	55.3		ug/L		111	71 - 131	1	20
1,2-Dichloroethene, Total	100	109		ug/L		109	79 - 121	0	20
1,2-Dichloropropane	50.0	58.3		ug/L		117	78 - 122	0	20
1,3-Dichloropropane	50.0	52.5		ug/L		105	80 - 119	0	20
2,2-Dichloropropane	50.0	53.2		ug/L		106	60 - 139	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-438880/4
Matrix: Water
Analysis Batch: 438880

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	54.9		ug/L		110	79 - 125	0	20
Ethylbenzene			50.0	48.7		ug/L		97	79 - 121	1	20
Ethylene Dibromide			50.0	53.8		ug/L		108	75 - 127	1	20
Hexachlorobutadiene			50.0	54.2		ug/L		108	66 - 134	2	20
2-Hexanone			250	292		ug/L		117	57 - 139	1	20
Isopropylbenzene			50.0	49.2		ug/L		98	72 - 131	1	20
4-Isopropyltoluene			50.0	49.3		ug/L		99	77 - 127	1	20
Methylene Chloride			50.0	54.5		ug/L		109	74 - 124	1	20
4-Methyl-2-pentanone (MIBK)			250	288		ug/L		115	67 - 130	1	20
Methyl tert-butyl ether			50.0	52.6		ug/L		105	71 - 124	1	20
m-Xylene & p-Xylene			50.0	47.4		ug/L		95	80 - 121	1	20
Naphthalene			50.0	50.2		ug/L		100	61 - 128	3	20
n-Butylbenzene			50.0	49.8		ug/L		100	75 - 128	1	20
N-Propylbenzene			50.0	50.0		ug/L		100	76 - 126	2	20
o-Xylene			50.0	47.7		ug/L		95	78 - 122	2	20
sec-Butylbenzene			50.0	50.6		ug/L		101	77 - 126	1	20
Styrene			50.0	49.3		ug/L		99	78 - 123	1	20
tert-Butylbenzene			50.0	48.3		ug/L		97	78 - 124	1	20
1,1,1,2-Tetrachloroethane			50.0	48.2		ug/L		96	78 - 124	0	20
1,1,2,2-Tetrachloroethane			50.0	54.1		ug/L		108	71 - 121	1	20
Tetrachloroethene			50.0	51.5		ug/L		103	74 - 129	1	20
Toluene			50.0	53.4		ug/L		107	80 - 121	1	20
trans-1,2-Dichloroethene			50.0	56.2		ug/L		112	75 - 124	0	20
trans-1,3-Dichloropropene			50.0	54.7		ug/L		109	73 - 127	0	20
1,2,3-Trichlorobenzene			50.0	47.6		ug/L		95	69 - 129	0	20
1,2,4-Trichlorobenzene			50.0	48.5		ug/L		97	69 - 130	1	20
1,1,1-Trichloroethane			50.0	51.7		ug/L		103	74 - 131	2	20
1,1,2-Trichloroethane			50.0	52.9		ug/L		106	80 - 119	1	20
Trichloroethene			50.0	52.4		ug/L		105	79 - 123	1	20
Trichlorofluoromethane			50.0	48.1		ug/L		96	65 - 141	2	20
1,2,3-Trichloropropane			50.0	51.0		ug/L		102	73 - 122	0	20
1,2,4-Trimethylbenzene			50.0	49.3		ug/L		99	76 - 124	1	20
1,3,5-Trimethylbenzene			50.0	49.2		ug/L		98	75 - 124	2	20
Vinyl acetate			100	96.6		ug/L		97	54 - 146	1	20
Vinyl chloride			50.0	57.8		ug/L		116	58 - 137	2	20
Xylenes, Total			100	95.1		ug/L		95	79 - 121	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*
Dibromofluoromethane (Surr)	*103*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*96*		*81 - 118*
Toluene-d8 (Surr)	*99*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126561-1 MS
Matrix: Water
Analysis Batch: 438880

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.6	J	250	218		ug/L		83	39 - 160
Benzene	1.0	U	50.0	53.4		ug/L		107	79 - 120
Bromobenzene	1.0	U	50.0	45.2		ug/L		90	80 - 120
Bromoform	1.0	U	50.0	42.3		ug/L		85	66 - 130
Bromomethane	5.0	U	50.0	40.1		ug/L		80	53 - 141
2-Butanone (MEK)	10	U	250	226		ug/L		90	56 - 143
Carbon disulfide	2.0	U	50.0	60.9		ug/L		122	64 - 133
Carbon tetrachloride	1.0	U	50.0	46.2		ug/L		92	72 - 136
Chlorobenzene	0.50	U	50.0	47.6		ug/L		95	82 - 118
Chlorobromomethane	1.0	U	50.0	48.4		ug/L		97	78 - 123
Chlorodibromomethane	1.0	U	50.0	43.1		ug/L		86	74 - 126
Chloroethane	5.0	U	50.0	47.0		ug/L		94	60 - 138
Chloroform	1.0	U	50.0	50.3		ug/L		101	79 - 124
Chloromethane	1.0	U	50.0	58.0		ug/L		116	50 - 139
2-Chlorotoluene	0.50	U	50.0	48.1		ug/L		96	79 - 122
4-Chlorotoluene	1.0	U	50.0	47.2		ug/L		94	78 - 122
cis-1,2-Dichloroethene	1.5		50.0	52.0		ug/L		101	78 - 123
cis-1,3-Dichloropropene	1.0	U	50.0	53.4		ug/L		107	75 - 124
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	43.4		ug/L		87	62 - 128
Dibromomethane	1.0	U	50.0	46.8		ug/L		94	79 - 123
1,2-Dichlorobenzene	1.0	U	50.0	48.3		ug/L		97	80 - 119
1,3-Dichlorobenzene	1.0	U	50.0	49.4		ug/L		99	80 - 119
1,4-Dichlorobenzene	1.0	U	50.0	48.3		ug/L		97	79 - 118
Dichlorobromomethane	1.0	U	50.0	51.1		ug/L		102	79 - 125
Dichlorodifluoromethane	1.0	U	50.0	54.2		ug/L		108	32 - 152
1,1-Dichloroethane	1.0	U	50.0	52.8		ug/L		106	77 - 125
1,2-Dichloroethane	1.0	U	50.0	44.4		ug/L		89	73 - 128
1,1-Dichloroethene	1.0	U	50.0	56.8		ug/L		114	71 - 131
1,2-Dichloroethene, Total	1.9	J	100	109		ug/L		107	79 - 121
1,2-Dichloropropane	1.0	U	50.0	56.3		ug/L		113	78 - 122
1,3-Dichloropropane	1.0	U	50.0	48.1		ug/L		96	80 - 119
2,2-Dichloropropane	1.0	U	50.0	47.1		ug/L		94	60 - 139
1,1-Dichloropropene	1.0	U	50.0	55.8		ug/L		112	79 - 125
Ethylbenzene	1.0	U	50.0	49.4		ug/L		99	79 - 121
Ethylene Dibromide	1.0	U	50.0	48.2		ug/L		96	75 - 127
Hexachlorobutadiene	5.0	U	50.0	46.5		ug/L		93	66 - 134
2-Hexanone	5.0	U	250	232		ug/L		93	57 - 139
Isopropylbenzene	0.50	U	50.0	49.6		ug/L		99	72 - 131
4-Isopropyltoluene	1.0	U	50.0	49.2		ug/L		98	77 - 127
Methylene Chloride	5.0	U	50.0	52.0		ug/L		104	74 - 124
4-Methyl-2-pentanone (MIBK)	5.0	U	250	237		ug/L		95	67 - 130
Methyl tert-butyl ether	0.50	U	50.0	47.7		ug/L		95	71 - 124
m-Xylene & p-Xylene	1.0	U	50.0	47.6		ug/L		95	80 - 121
Naphthalene	5.0	U	50.0	37.1		ug/L		74	61 - 128
n-Butylbenzene	1.0	U	50.0	48.7		ug/L		97	75 - 128
N-Propylbenzene	1.0	U	50.0	49.6		ug/L		99	76 - 126
o-Xylene	0.50	U	50.0	47.3		ug/L		95	78 - 122
sec-Butylbenzene	1.0	U	50.0	50.5		ug/L		101	77 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126561-1 MS
Matrix: Water
Analysis Batch: 438880

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.50	U	50.0	48.2		ug/L		96	78 - 123
tert-Butylbenzene	1.0	U	50.0	48.4		ug/L		97	78 - 124
1,1,1,2-Tetrachloroethane	1.0	U	50.0	47.2		ug/L		94	78 - 124
1,1,2,2-Tetrachloroethane	1.0	U	50.0	50.1		ug/L		100	71 - 121
Tetrachloroethene	1.0	U	50.0	49.9		ug/L		100	74 - 129
Toluene	1.0	U	50.0	52.7		ug/L		105	80 - 121
trans-1,2-Dichloroethene	1.0	U	50.0	57.3		ug/L		115	75 - 124
trans-1,3-Dichloropropene	1.0	U	50.0	48.5		ug/L		97	73 - 127
1,2,3-Trichlorobenzene	5.0	U	50.0	38.0		ug/L		76	69 - 129
1,2,4-Trichlorobenzene	5.0	U	50.0	42.2		ug/L		84	69 - 130
1,1,1-Trichloroethane	1.0	U	50.0	51.2		ug/L		102	74 - 131
1,1,2-Trichloroethane	1.0	U	50.0	48.9		ug/L		98	80 - 119
Trichloroethene	1.0	U	50.0	52.2		ug/L		104	79 - 123
Trichlorofluoromethane	1.0	U	50.0	47.6		ug/L		95	65 - 141
1,2,3-Trichloropropane	1.0	U	50.0	45.0		ug/L		90	73 - 122
1,2,4-Trimethylbenzene	1.0	U	50.0	48.8		ug/L		98	76 - 124
1,3,5-Trimethylbenzene	1.0	U	50.0	48.5		ug/L		97	75 - 124
Vinyl acetate	1.0	U	100	84.1		ug/L		84	54 - 146
Vinyl chloride	0.89	J	50.0	59.6		ug/L		117	58 - 137
Xylenes, Total	0.50	U	100	94.9		ug/L		95	79 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*89*		*81 - 118*
Toluene-d8 (Surr)	*100*		*89 - 112*

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 438880

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	9.6	J	250	222		ug/L		85	39 - 160	2	20
Benzene	1.0	U	50.0	53.9		ug/L		108	79 - 120	1	20
Bromobenzene	1.0	U	50.0	45.6		ug/L		91	80 - 120	1	20
Bromoform	1.0	U	50.0	42.8		ug/L		86	66 - 130	1	20
Bromomethane	5.0	U	50.0	42.6		ug/L		85	53 - 141	6	20
2-Butanone (MEK)	10	U	250	227		ug/L		91	56 - 143	0	20
Carbon disulfide	2.0	U	50.0	60.8		ug/L		122	64 - 133	0	20
Carbon tetrachloride	1.0	U	50.0	47.3		ug/L		95	72 - 136	2	20
Chlorobenzene	0.50	U	50.0	47.5		ug/L		95	82 - 118	0	20
Chlorobromomethane	1.0	U	50.0	48.3		ug/L		97	78 - 123	0	20
Chlorodibromomethane	1.0	U	50.0	44.9		ug/L		90	74 - 126	4	20
Chloroethane	5.0	U	50.0	46.3		ug/L		93	60 - 138	2	20
Chloroform	1.0	U	50.0	49.4		ug/L		99	79 - 124	2	20
Chloromethane	1.0	U	50.0	59.1		ug/L		118	50 - 139	2	20
2-Chlorotoluene	0.50	U	50.0	48.4		ug/L		97	79 - 122	1	20
4-Chlorotoluene	1.0	U	50.0	47.3		ug/L		95	78 - 122	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 438880

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	1.5		50.0	51.6		ug/L		100	78 - 123	1	20
cis-1,3-Dichloropropene	1.0	U	50.0	55.2		ug/L		110	75 - 124	3	20
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	46.2		ug/L		92	62 - 128	6	20
Dibromomethane	1.0	U	50.0	48.0		ug/L		96	79 - 123	3	20
1,2-Dichlorobenzene	1.0	U	50.0	49.2		ug/L		98	80 - 119	2	20
1,3-Dichlorobenzene	1.0	U	50.0	49.9		ug/L		100	80 - 119	1	20
1,4-Dichlorobenzene	1.0	U	50.0	49.9		ug/L		100	79 - 118	3	20
Dichlorobromomethane	1.0	U	50.0	52.8		ug/L		106	79 - 125	3	20
Dichlorodifluoromethane	1.0	U	50.0	55.6		ug/L		111	32 - 152	3	20
1,1-Dichloroethane	1.0	U	50.0	51.5		ug/L		103	77 - 125	3	20
1,2-Dichloroethane	1.0	U	50.0	44.9		ug/L		90	73 - 128	1	20
1,1-Dichloroethene	1.0	U	50.0	55.1		ug/L		110	71 - 131	3	20
1,2-Dichloroethene, Total	1.9	J	100	107		ug/L		105	79 - 121	2	20
1,2-Dichloropropane	1.0	U	50.0	56.9		ug/L		114	78 - 122	1	20
1,3-Dichloropropane	1.0	U	50.0	50.0		ug/L		100	80 - 119	4	20
2,2-Dichloropropane	1.0	U	50.0	45.8		ug/L		92	60 - 139	3	20
1,1-Dichloropropene	1.0	U	50.0	55.3		ug/L		111	79 - 125	1	20
Ethylbenzene	1.0	U	50.0	49.6		ug/L		99	79 - 121	0	20
Ethylene Dibromide	1.0	U	50.0	50.5		ug/L		101	75 - 127	5	20
Hexachlorobutadiene	5.0	U	50.0	50.5		ug/L		101	66 - 134	8	20
2-Hexanone	5.0	U	250	243		ug/L		97	57 - 139	5	20
Isopropylbenzene	0.50	U	50.0	49.7		ug/L		99	72 - 131	0	20
4-Isopropyltoluene	1.0	U	50.0	49.9		ug/L		100	77 - 127	1	20
Methylene Chloride	5.0	U	50.0	52.3		ug/L		105	74 - 124	1	20
4-Methyl-2-pentanone (MIBK)	5.0	U	250	245		ug/L		98	67 - 130	3	20
Methyl tert-butyl ether	0.50	U	50.0	47.6		ug/L		95	71 - 124	0	20
m-Xylene & p-Xylene	1.0	U	50.0	47.8		ug/L		96	80 - 121	1	20
Naphthalene	5.0	U	50.0	44.1		ug/L		88	61 - 128	17	20
n-Butylbenzene	1.0	U	50.0	49.6		ug/L		99	75 - 128	2	20
N-Propylbenzene	1.0	U	50.0	49.6		ug/L		99	76 - 126	0	20
o-Xylene	0.50	U	50.0	47.2		ug/L		94	78 - 122	0	20
sec-Butylbenzene	1.0	U	50.0	50.5		ug/L		101	77 - 126	0	20
Styrene	0.50	U	50.0	48.7		ug/L		97	78 - 123	1	20
tert-Butylbenzene	1.0	U	50.0	48.2		ug/L		96	78 - 124	0	20
1,1,1,2-Tetrachloroethane	1.0	U	50.0	48.1		ug/L		96	78 - 124	2	20
1,1,2,2-Tetrachloroethane	1.0	U	50.0	51.5		ug/L		103	71 - 121	3	20
Tetrachloroethene	1.0	U	50.0	51.6		ug/L		103	74 - 129	3	20
Toluene	1.0	U	50.0	53.8		ug/L		108	80 - 121	2	20
trans-1,2-Dichloroethene	1.0	U	50.0	55.4		ug/L		111	75 - 124	4	20
trans-1,3-Dichloropropene	1.0	U	50.0	50.6		ug/L		101	73 - 127	4	20
1,2,3-Trichlorobenzene	5.0	U	50.0	43.0		ug/L		86	69 - 129	12	20
1,2,4-Trichlorobenzene	5.0	U	50.0	45.0		ug/L		90	69 - 130	6	20
1,1,1-Trichloroethane	1.0	U	50.0	51.8		ug/L		104	74 - 131	1	20
1,1,2-Trichloroethane	1.0	U	50.0	50.1		ug/L		100	80 - 119	2	20
Trichloroethene	1.0	U	50.0	52.7		ug/L		105	79 - 123	1	20
Trichlorofluoromethane	1.0	U	50.0	46.7		ug/L		93	65 - 141	2	20
1,2,3-Trichloropropane	1.0	U	50.0	45.2		ug/L		90	73 - 122	0	20
1,2,4-Trimethylbenzene	1.0	U	50.0	48.8		ug/L		98	76 - 124	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 438880

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	1.0	U	50.0	48.6		ug/L		97	75 - 124	0	20
Vinyl acetate	1.0	U	100	84.8		ug/L		85	54 - 146	1	20
Vinyl chloride	0.89	J	50.0	59.1		ug/L		116	58 - 137	1	20
Xylenes, Total	0.50	U	100	95.0		ug/L		95	79 - 121	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*
Dibromofluoromethane (Surr)	*97*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*89*		*81 - 118*
Toluene-d8 (Surr)	*100*		*89 - 112*

Lab Sample ID: MB 680-438935/9
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		06/26/16 10:16	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 10:16	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 10:16	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 10:16	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		06/26/16 10:16	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		06/26/16 10:16	1
Carbon tetrachloride	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 10:16	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		06/26/16 10:16	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 10:16	1
Chlorodibromomethane	1.0	U	1.0	1.0	0.32	ug/L		06/26/16 10:16	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 10:16	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		06/26/16 10:16	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		06/26/16 10:16	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 10:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		06/26/16 10:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		06/26/16 10:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		06/26/16 10:16	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		06/26/16 10:16	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 10:16	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		06/26/16 10:16	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		06/26/16 10:16	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		06/26/16 10:16	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		06/26/16 10:16	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		06/26/16 10:16	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 10:16	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		06/26/16 10:16	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		06/26/16 10:16	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		06/26/16 10:16	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		06/26/16 10:16	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 10:16	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-438935/9
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		06/26/16 10:16	1
Ethylbenzene	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 10:16	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		06/26/16 10:16	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		06/26/16 10:16	1
Isopropylbenzene	0.50	U	1.0	0.50	0.35	ug/L		06/26/16 10:16	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 10:16	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		06/26/16 10:16	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		06/26/16 10:16	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		06/26/16 10:16	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/26/16 10:16	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		06/26/16 10:16	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		06/26/16 10:16	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 10:16	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		06/26/16 10:16	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		06/26/16 10:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 10:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		06/26/16 10:16	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		06/26/16 10:16	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 10:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 10:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 10:16	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		06/26/16 10:16	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		06/26/16 10:16	1
1,1,2-Trichloroethane	1.0	U	1.0	1.0	0.33	ug/L		06/26/16 10:16	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		06/26/16 10:16	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		06/26/16 10:16	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		06/26/16 10:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		06/26/16 10:16	1
1,3,5-Trimethylbenzene	1.0	U	1.0	1.0	0.31	ug/L		06/26/16 10:16	1
Vinyl acetate	1.0	U	2.0	1.0	0.81	ug/L		06/26/16 10:16	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		06/26/16 10:16	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		06/26/16 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*85 - 114*		*06/26/16 10:16*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*06/26/16 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*81 - 118*		*06/26/16 10:16*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*06/26/16 10:16*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438935/3
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	251		ug/L		100	39 - 160
Benzene	50.0	51.7		ug/L		103	79 - 120
Bromobenzene	50.0	48.3		ug/L		97	80 - 120
Bromoform	50.0	44.2		ug/L		88	66 - 130
Bromomethane	50.0	44.8		ug/L		90	53 - 141
2-Butanone (MEK)	250	263		ug/L		105	56 - 143
Carbon disulfide	50.0	57.1		ug/L		114	64 - 133
Carbon tetrachloride	50.0	42.1		ug/L		84	72 - 136
Chlorobenzene	50.0	50.5		ug/L		101	82 - 118
Chlorobromomethane	50.0	49.2		ug/L		98	78 - 123
Chlorodibromomethane	50.0	44.8		ug/L		90	74 - 126
Chloroethane	50.0	43.5		ug/L		87	60 - 138
Chloroform	50.0	49.2		ug/L		98	79 - 124
Chloromethane	50.0	58.8		ug/L		118	50 - 139
2-Chlorotoluene	50.0	51.1		ug/L		102	79 - 122
4-Chlorotoluene	50.0	50.5		ug/L		101	78 - 122
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	78 - 123
cis-1,3-Dichloropropene	50.0	56.3		ug/L		113	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/L		96	62 - 128
Dibromomethane	50.0	48.6		ug/L		97	79 - 123
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 119
1,3-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 119
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	79 - 118
Dichlorobromomethane	50.0	50.9		ug/L		102	79 - 125
Dichlorodifluoromethane	50.0	51.1		ug/L		102	32 - 152
1,1-Dichloroethane	50.0	52.1		ug/L		104	77 - 125
1,2-Dichloroethane	50.0	46.1		ug/L		92	73 - 128
1,1-Dichloroethene	50.0	51.9		ug/L		104	71 - 131
1,2-Dichloroethene, Total	100	104		ug/L		104	79 - 121
1,2-Dichloropropane	50.0	55.5		ug/L		111	78 - 122
1,3-Dichloropropane	50.0	51.2		ug/L		102	80 - 119
2,2-Dichloropropane	50.0	51.7		ug/L		103	60 - 139
1,1-Dichloropropene	50.0	52.3		ug/L		105	79 - 125
Ethylbenzene	50.0	51.4		ug/L		103	79 - 121
Ethylene Dibromide	50.0	50.4		ug/L		101	75 - 127
Hexachlorobutadiene	50.0	52.8		ug/L		106	66 - 134
2-Hexanone	250	263		ug/L		105	57 - 139
Isopropylbenzene	50.0	50.8		ug/L		102	72 - 131
4-Isopropyltoluene	50.0	48.6		ug/L		97	77 - 127
Methylene Chloride	50.0	52.2		ug/L		104	74 - 124
4-Methyl-2-pentanone (MIBK)	250	261		ug/L		104	67 - 130
Methyl tert-butyl ether	50.0	50.6		ug/L		101	71 - 124
m-Xylene & p-Xylene	50.0	50.0		ug/L		100	80 - 121
Naphthalene	50.0	48.2		ug/L		96	61 - 128
n-Butylbenzene	50.0	50.1		ug/L		100	75 - 128
N-Propylbenzene	50.0	51.7		ug/L		103	76 - 126
o-Xylene	50.0	51.0		ug/L		102	78 - 122
sec-Butylbenzene	50.0	52.2		ug/L		104	77 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-438935/3
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	50.0	52.7		ug/L		105	78 - 123
tert-Butylbenzene	50.0	50.0		ug/L		100	78 - 124
1,1,1,2-Tetrachloroethane	50.0	51.9		ug/L		104	78 - 124
1,1,2,2-Tetrachloroethane	50.0	53.3		ug/L		107	71 - 121
Tetrachloroethene	50.0	47.8		ug/L		96	74 - 129
Toluene	50.0	51.3		ug/L		103	80 - 121
trans-1,2-Dichloroethene	50.0	52.9		ug/L		106	75 - 124
trans-1,3-Dichloropropene	50.0	53.7		ug/L		107	73 - 127
1,2,3-Trichlorobenzene	50.0	46.8		ug/L		94	69 - 129
1,2,4-Trichlorobenzene	50.0	47.3		ug/L		95	69 - 130
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	74 - 131
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	80 - 119
Trichloroethene	50.0	48.4		ug/L		97	79 - 123
Trichlorofluoromethane	50.0	42.4		ug/L		85	65 - 141
1,2,3-Trichloropropane	50.0	52.9		ug/L		106	73 - 122
1,2,4-Trimethylbenzene	50.0	52.3		ug/L		105	76 - 124
1,3,5-Trimethylbenzene	50.0	51.6		ug/L		103	75 - 124
Vinyl acetate	100	111		ug/L		111	54 - 146
Vinyl chloride	50.0	52.6		ug/L		105	58 - 137
Xylenes, Total	100	101		ug/L		101	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*
Dibromofluoromethane (Surr)	*98*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*89*		*81 - 118*
Toluene-d8 (Surr)	*102*		*89 - 112*

Lab Sample ID: LCSD 680-438935/4
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	246		ug/L		98	39 - 160	2	20
Benzene	50.0	51.2		ug/L		102	79 - 120	1	20
Bromobenzene	50.0	47.5		ug/L		95	80 - 120	2	20
Bromoform	50.0	43.6		ug/L		87	66 - 130	1	20
Bromomethane	50.0	44.3		ug/L		89	53 - 141	1	20
2-Butanone (MEK)	250	253		ug/L		101	56 - 143	4	20
Carbon disulfide	50.0	56.8		ug/L		114	64 - 133	1	20
Carbon tetrachloride	50.0	42.0		ug/L		84	72 - 136	0	20
Chlorobenzene	50.0	49.5		ug/L		99	82 - 118	2	20
Chlorobromomethane	50.0	48.0		ug/L		96	78 - 123	2	20
Chlorodibromomethane	50.0	45.1		ug/L		90	74 - 126	1	20
Chloroethane	50.0	43.8		ug/L		88	60 - 138	1	20
Chloroform	50.0	48.5		ug/L		97	79 - 124	2	20
Chloromethane	50.0	55.5		ug/L		111	50 - 139	6	20
2-Chlorotoluene	50.0	49.9		ug/L		100	79 - 122	2	20
4-Chlorotoluene	50.0	49.0		ug/L		98	78 - 122	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-438935/4
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	78 - 123	2	20
cis-1,3-Dichloropropene	50.0	55.9		ug/L		112	75 - 124	1	20
1,2-Dibromo-3-Chloropropane	50.0	48.4		ug/L		97	62 - 128	0	20
Dibromomethane	50.0	48.1		ug/L		96	79 - 123	1	20
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	80 - 119	0	20
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 119	1	20
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	79 - 118	1	20
Dichlorobromomethane	50.0	51.5		ug/L		103	79 - 125	1	20
Dichlorodifluoromethane	50.0	51.1		ug/L		102	32 - 152	0	20
1,1-Dichloroethane	50.0	51.9		ug/L		104	77 - 125	0	20
1,2-Dichloroethane	50.0	45.8		ug/L		92	73 - 128	1	20
1,1-Dichloroethene	50.0	51.7		ug/L		103	71 - 131	0	20
1,2-Dichloroethene, Total	100	102		ug/L		102	79 - 121	2	20
1,2-Dichloropropane	50.0	55.7		ug/L		111	78 - 122	0	20
1,3-Dichloropropane	50.0	51.0		ug/L		102	80 - 119	0	20
2,2-Dichloropropane	50.0	51.7		ug/L		103	60 - 139	0	20
1,1-Dichloropropene	50.0	51.6		ug/L		103	79 - 125	1	20
Ethylbenzene	50.0	50.4		ug/L		101	79 - 121	2	20
Ethylene Dibromide	50.0	50.3		ug/L		101	75 - 127	0	20
Hexachlorobutadiene	50.0	52.7		ug/L		105	66 - 134	0	20
2-Hexanone	250	258		ug/L		103	57 - 139	2	20
Isopropylbenzene	50.0	49.2		ug/L		98	72 - 131	3	20
4-Isopropyltoluene	50.0	48.6		ug/L		97	77 - 127	0	20
Methylene Chloride	50.0	51.4		ug/L		103	74 - 124	1	20
4-Methyl-2-pentanone (MIBK)	250	257		ug/L		103	67 - 130	1	20
Methyl tert-butyl ether	50.0	49.9		ug/L		100	71 - 124	1	20
m-Xylene & p-Xylene	50.0	48.8		ug/L		98	80 - 121	2	20
Naphthalene	50.0	47.1		ug/L		94	61 - 128	2	20
n-Butylbenzene	50.0	49.1		ug/L		98	75 - 128	2	20
N-Propylbenzene	50.0	50.4		ug/L		101	76 - 126	2	20
o-Xylene	50.0	49.5		ug/L		99	78 - 122	3	20
sec-Butylbenzene	50.0	50.4		ug/L		101	77 - 126	3	20
Styrene	50.0	51.8		ug/L		104	78 - 123	2	20
tert-Butylbenzene	50.0	48.4		ug/L		97	78 - 124	3	20
1,1,1,2-Tetrachloroethane	50.0	50.8		ug/L		102	78 - 124	2	20
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L		107	71 - 121	1	20
Tetrachloroethene	50.0	47.3		ug/L		95	74 - 129	1	20
Toluene	50.0	51.1		ug/L		102	80 - 121	0	20
trans-1,2-Dichloroethene	50.0	51.7		ug/L		103	75 - 124	2	20
trans-1,3-Dichloropropene	50.0	53.6		ug/L		107	73 - 127	0	20
1,2,3-Trichlorobenzene	50.0	47.0		ug/L		94	69 - 129	0	20
1,2,4-Trichlorobenzene	50.0	47.7		ug/L		95	69 - 130	1	20
1,1,1-Trichloroethane	50.0	47.5		ug/L		95	74 - 131	2	20
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	80 - 119	0	20
Trichloroethene	50.0	48.7		ug/L		97	79 - 123	1	20
Trichlorofluoromethane	50.0	42.1		ug/L		84	65 - 141	1	20
1,2,3-Trichloropropane	50.0	50.8		ug/L		102	73 - 122	4	20
1,2,4-Trimethylbenzene	50.0	51.3		ug/L		103	76 - 124	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-438935/4
Matrix: Water
Analysis Batch: 438935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene			50.0	49.9		ug/L		100	75 - 124	3	20
Vinyl acetate			100	108		ug/L		108	54 - 146	3	20
Vinyl chloride			50.0	52.8		ug/L		106	58 - 137	0	20
Xylenes, Total			100	98.3		ug/L		98	79 - 121	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*
Dibromofluoromethane (Surr)	*96*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*90*		*81 - 118*
Toluene-d8 (Surr)	*100*		*89 - 112*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-438629/8
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/23/16 14:01	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/23/16 14:01	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		06/23/16 14:01	1
Methane (TCD)	77	U	390	77	39	ug/L		06/23/16 14:01	1

Lab Sample ID: LCS 680-438629/3
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane			288	290		ug/L		100	75 - 125
Ethylene			269	271		ug/L		101	75 - 125
Methane			154	145		ug/L		94	75 - 125

Lab Sample ID: LCS 680-438629/6
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)			1920	1730		ug/L		90	75 - 125

Lab Sample ID: LCSD 680-438629/4
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane			288	280		ug/L		97	75 - 125	3	30
Ethylene			269	262		ug/L		97	75 - 125	3	30
Methane			154	141		ug/L		92	75 - 125	3	30

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 680-438629/7
Matrix: Water
Analysis Batch: 438629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	1920	1710		ug/L		89	75 - 125	1	30

Lab Sample ID: 680-126561-1 MS
Matrix: Water
Analysis Batch: 438629

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	3.0		288	271		ug/L		93	75 - 125
Ethylene	1.0	U	269	246		ug/L		91	75 - 125
Methane (TCD)	20000	J	1920	19700	4	ug/L		-2	75 - 125

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 438629

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	3.0		288	309		ug/L		106	75 - 125	13	30
Ethylene	1.0	U	269	280		ug/L		104	75 - 125	13	30
Methane (TCD)	20000	J	1920	19900	4	ug/L		6	75 - 125	1	30

Lab Sample ID: MB 680-438758/8
Matrix: Water
Analysis Batch: 438758

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		06/24/16 10:37	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		06/24/16 10:37	1
Methane	0.58	U M	0.58	0.58	0.29	ug/L		06/24/16 10:37	1
Methane (TCD)	77	U	390	77	39	ug/L		06/24/16 10:37	1

Lab Sample ID: LCS 680-438758/3
Matrix: Water
Analysis Batch: 438758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	277		ug/L		96	75 - 125
Ethylene	269	243		ug/L		90	75 - 125
Methane	154	140		ug/L		91	75 - 125

Lab Sample ID: LCS 680-438758/6
Matrix: Water
Analysis Batch: 438758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1560		ug/L		81	75 - 125

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 680-438758/4
Matrix: Water
Analysis Batch: 438758

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	288	275		ug/L		95	75 - 125	1	30
Ethylene	269	241		ug/L		89	75 - 125	1	30
Methane	154	138		ug/L		90	75 - 125	1	30

Lab Sample ID: LCSD 680-438758/7
Matrix: Water
Analysis Batch: 438758

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	1920	1690		ug/L		88	75 - 125	8	30

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-439027/2
Matrix: Water
Analysis Batch: 439027

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.80	U	1.0	0.80	0.40	mg/L		06/27/16 09:59	1

Lab Sample ID: LCS 680-439027/3
Matrix: Water
Analysis Batch: 439027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.92		mg/L		99	87 - 112

Lab Sample ID: LCSD 680-439027/4
Matrix: Water
Analysis Batch: 439027

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	9.97		mg/L		100	87 - 112	1	15

Lab Sample ID: 680-126561-1 MS
Matrix: Water
Analysis Batch: 439027

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.3	M	10.0	10.6	M	mg/L		93	87 - 112

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 439027

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.3	M	10.0	10.7	M	mg/L		93	87 - 112	0	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-126561-1 DU
Matrix: Water
Analysis Batch: 439027

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1.3	M	1.34	M	mg/L		0.2	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-439005/1-A
Matrix: Water
Analysis Batch: 439368

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 439005

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	165		50	50	17	ug/L		06/28/16 11:19	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/28/16 11:19	1

Lab Sample ID: LCS 680-439005/2-A
Matrix: Water
Analysis Batch: 439368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 439005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4910		ug/L		98	87 - 115
Manganese	500	518		ug/L		104	90 - 114

Lab Sample ID: MB 680-439280/1-A
Matrix: Water
Analysis Batch: 439665

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 439280

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/29/16 20:17	1

Lab Sample ID: LCS 680-439280/2-A
Matrix: Water
Analysis Batch: 439665

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 439280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4930		ug/L		99	87 - 115

Lab Sample ID: MB 680-439449/1-A
Matrix: Water
Analysis Batch: 439665

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 439449

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/30/16 11:17	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/30/16 11:17	1

Lab Sample ID: LCS 680-439449/2-A
Matrix: Water
Analysis Batch: 439665

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 439449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4750		ug/L		95	87 - 115
Manganese	500	502		ug/L		100	90 - 114

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 680-438740/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 438906 — **Prep Batch: 438743**

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		06/24/16 23:42	1
Manganese	3.0	U	10	3.0	1.0	ug/L		06/24/16 23:42	1

Lab Sample ID: LCS 680-438740/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 438906 — **Prep Batch: 438743**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4870		ug/L		97	87 - 115
Manganese	500	512		ug/L		102	90 - 114

Lab Sample ID: 680-126570-3 MS — **Client Sample ID: G6M-13-05X-H**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 438906 — **Prep Batch: 438743**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	50	U	5000	4870		ug/L		97	87 - 115
Manganese	110		500	611		ug/L		101	90 - 114

Lab Sample ID: 680-126570-3 MSD — **Client Sample ID: G6M-13-05X-H**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 438906 — **Prep Batch: 438743**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	50	U	5000	4880		ug/L		98	87 - 115	0	20
Manganese	110		500	613		ug/L		102	90 - 114	0	20

Lab Sample ID: 680-126561-1 MS — **Client Sample ID: MW-3_SPR16**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439368 — **Prep Batch: 439005**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	45000	J B	5000	46200	4	ug/L		19	87 - 115
Manganese	9800	J	500	9810	4	ug/L		-2	90 - 114

Lab Sample ID: 680-126561-1 MSD — **Client Sample ID: MW-3_SPR16**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439368 — **Prep Batch: 439005**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	45000	J B	5000	47200	4	ug/L		40	87 - 115	2	20
Manganese	9800	J	500	9880	4	ug/L		12	90 - 114	1	20

Lab Sample ID: 680-126561-4 MS — **Client Sample ID: G6M-03-09X_SPR16**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439665 — **Prep Batch: 439280**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	50	U	5000	4800		ug/L		96	87 - 115

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-126561-4 MSD
Matrix: Water
Analysis Batch: 439665

Client Sample ID: G6M-03-09X_SPR16
Prep Type: Dissolved
Prep Batch: 439280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	50	U	5000	4830		ug/L		97	87 - 115	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-439004/1-A
Matrix: Water
Analysis Batch: 439975

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 439004

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		07/03/16 18:04	1

Lab Sample ID: LCS 680-439004/2-A
Matrix: Water
Analysis Batch: 439975

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 439004

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	102		ug/L		102	84 - 116

Lab Sample ID: MB 680-439456/1-A
Matrix: Water
Analysis Batch: 439975

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 439456

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		07/03/16 19:45	1

Lab Sample ID: LCS 680-439456/2-A
Matrix: Water
Analysis Batch: 439975

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 439456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	104		ug/L		104	84 - 116

Lab Sample ID: MB 680-438738/1-B
Matrix: Water
Analysis Batch: 439975

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 438742

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		07/03/16 16:17	1

Lab Sample ID: LCS 680-438738/2-B
Matrix: Water
Analysis Batch: 439975

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 438742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		ug/L		101	84 - 116

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-126570-3 MS — **Client Sample ID: G6M-13-05X-H**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439975 — **Prep Batch: 438742**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.5	J	100	101		ug/L		99	84 - 116

Lab Sample ID: 680-126570-3 MSD — **Client Sample ID: G6M-13-05X-H**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439975 — **Prep Batch: 438742**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.5	J	100	105		ug/L		103	84 - 116	4	20

Lab Sample ID: 680-126561-1 MS — **Client Sample ID: MW-3_SPR16**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439975 — **Prep Batch: 439004**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	410	J	100	484	4	ug/L		69	84 - 116

Lab Sample ID: 680-126561-1 MSD — **Client Sample ID: MW-3_SPR16**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 439975 — **Prep Batch: 439004**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	410	J	100	499	4	ug/L		85	84 - 116	3	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-331024/69 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 331024

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate Nitrite as N	0.050	U	0.10	0.050	0.019	mg/L		06/22/16 16:07	1

Lab Sample ID: LCS 280-331024/67 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 331024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	5.00	5.03		mg/L		101	90 - 110

Lab Sample ID: LCSD 280-331024/68 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 331024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	5.00	5.12		mg/L		102	90 - 110	2	10

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: MRL 280-331024/21
Matrix: Water
Analysis Batch: 331024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.100	0.0948	J	mg/L		95	50 - 150

Lab Sample ID: 680-126561-1 MS
Matrix: Water
Analysis Batch: 331024

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.050	U J	4.00	3.09	J	mg/L		77	90 - 110

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 331024

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.050	U J	4.00	3.08	J	mg/L		77	90 - 110	0	10

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-437968/1
Matrix: Water
Analysis Batch: 437968

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 07:57	1

Lab Sample ID: LCS 680-437968/2
Matrix: Water
Analysis Batch: 437968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	10.8		mg/L		108	75 - 125

Lab Sample ID: LCSD 680-437968/3
Matrix: Water
Analysis Batch: 437968

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	10.7		mg/L		107	75 - 125	1	30

Lab Sample ID: 680-126561-1 MS
Matrix: Water
Analysis Batch: 437968

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	1.0	U	10.0	11.2		mg/L		112	75 - 125

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 680-126561-1 MSD — **Client Sample ID: MW-3_SPR16**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 437968

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	1.0	U	10.0	11.4		mg/L		114	75 - 125	1	30

Lab Sample ID: MB 680-437973/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 437973

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		06/19/16 08:45	1

Lab Sample ID: LCS 680-437973/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 437973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	10.8		mg/L		108	75 - 125

Lab Sample ID: LCSD 680-437973/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 437973

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	10.9		mg/L		109	75 - 125	1	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-330835/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 330835

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		06/21/16 15:42	1

Lab Sample ID: LCS 280-330835/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 330835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	25.1		mg/L		100	88 - 112

Lab Sample ID: 680-126561-1 MS — **Client Sample ID: MW-3_SPR16**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 330835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	6.1		25.0	31.2		mg/L		100	88 - 112

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 680-126561-1 MSD
Matrix: Water
Analysis Batch: 330835

Client Sample ID: MW-3_SPR16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	6.1		25.0	31.2		mg/L		100	88 - 112	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-331588/31
Matrix: Water
Analysis Batch: 331588

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	1.84	J	5.0	3.2	1.1	mg/L		06/27/16 15:05	1

Lab Sample ID: LCS 280-331588/30
Matrix: Water
Analysis Batch: 331588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	193		mg/L		96	90 - 110

Lab Sample ID: MB 280-331705/5
Matrix: Water
Analysis Batch: 331705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.36	J	5.0	3.2	1.1	mg/L		06/28/16 09:54	1

Lab Sample ID: LCS 280-331705/4
Matrix: Water
Analysis Batch: 331705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	202		mg/L		101	90 - 110

GC/MS VOA

Analysis Batch: 438880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	8260B	
680-126561-1 MS	MW-3_SPR16	Total/NA	Water	8260B	
680-126561-1 MSD	MW-3_SPR16	Total/NA	Water	8260B	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	8260B	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	8260B	
680-126561-6	DUP-3	Total/NA	Water	8260B	
680-126561-7	Trip Blank	Total/NA	Water	8260B	
680-126561-8	G6M-13-02X_SPR16	Total/NA	Water	8260B	
680-126570-1	G6M-02-13X	Total/NA	Water	8260B	
680-126570-5	G6M-04-02X-H	Total/NA	Water	8260B	
680-126570-6	G6M-97-28X-H	Total/NA	Water	8260B	
680-126570-7	G6M-04-04X	Total/NA	Water	8260B	
680-126570-8	Trip Blank	Total/NA	Water	8260B	
LCS 680-438880/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-438880/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-438880/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 438935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-2	G6M-03-7X	Total/NA	Water	8260B	
680-126570-3	G6M-13-05X-H	Total/NA	Water	8260B	
680-126570-4	G6M-02-11X-H	Total/NA	Water	8260B	
LCS 680-438935/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-438935/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-438935/9	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 438629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	RSK-175	
680-126561-1 MS	MW-3_SPR16	Total/NA	Water	RSK-175	
680-126561-1 MSD	MW-3_SPR16	Total/NA	Water	RSK-175	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	RSK-175	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	RSK-175	
680-126561-6	DUP-3	Total/NA	Water	RSK-175	
LCS 680-438629/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-438629/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-438629/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-438629/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 680-438629/8	Method Blank	Total/NA	Water	RSK-175	

Analysis Batch: 438758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-1	G6M-02-13X	Total/NA	Water	RSK-175	
680-126570-2	G6M-03-7X	Total/NA	Water	RSK-175	
680-126570-7	G6M-04-04X	Total/NA	Water	RSK-175	
LCS 680-438758/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-438758/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-438758/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 438758 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-438758/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 680-438758/8	Method Blank	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 439027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	9056A	
680-126561-1 DU	MW-3_SPR16	Total/NA	Water	9056A	
680-126561-1 MS	MW-3_SPR16	Total/NA	Water	9056A	
680-126561-1 MSD	MW-3_SPR16	Total/NA	Water	9056A	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	9056A	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	9056A	
680-126561-6	DUP-3	Total/NA	Water	9056A	
680-126570-1	G6M-02-13X	Total/NA	Water	9056A	
680-126570-2	G6M-03-7X	Total/NA	Water	9056A	
680-126570-7	G6M-04-04X	Total/NA	Water	9056A	
LCS 680-439027/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-439027/4	Lab Control Sample Dup	Total/NA	Water	9056A	
MB 680-439027/2	Method Blank	Total/NA	Water	9056A	

Metals

Filtration Batch: 438738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-3	G6M-13-05X-H	Dissolved	Water	FILTRATION	
680-126570-3 MS	G6M-13-05X-H	Dissolved	Water	FILTRATION	
680-126570-3 MSD	G6M-13-05X-H	Dissolved	Water	FILTRATION	
680-126570-4	G6M-02-11X-H	Dissolved	Water	FILTRATION	
680-126570-5	G6M-04-02X-H	Dissolved	Water	FILTRATION	
680-126570-6	G6M-97-28X-H	Dissolved	Water	FILTRATION	
LCS 680-438738/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 680-438738/1-B	Method Blank	Dissolved	Water	FILTRATION	

Filtration Batch: 438740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-3	G6M-13-05X-H	Dissolved	Water	FILTRATION	
680-126570-3 MS	G6M-13-05X-H	Dissolved	Water	FILTRATION	
680-126570-3 MSD	G6M-13-05X-H	Dissolved	Water	FILTRATION	
680-126570-4	G6M-02-11X-H	Dissolved	Water	FILTRATION	
680-126570-5	G6M-04-02X-H	Dissolved	Water	FILTRATION	
680-126570-6	G6M-97-28X-H	Dissolved	Water	FILTRATION	
LCS 680-438740/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 680-438740/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 438742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-3	G6M-13-05X-H	Dissolved	Water	3005A	438738
680-126570-3 MS	G6M-13-05X-H	Dissolved	Water	3005A	438738
680-126570-3 MSD	G6M-13-05X-H	Dissolved	Water	3005A	438738

Metals (Continued)

Prep Batch: 438742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-4	G6M-02-11X-H	Dissolved	Water	3005A	438738
680-126570-5	G6M-04-02X-H	Dissolved	Water	3005A	438738
680-126570-6	G6M-97-28X-H	Dissolved	Water	3005A	438738
LCS 680-438738/2-B	Lab Control Sample	Dissolved	Water	3005A	438738
MB 680-438738/1-B	Method Blank	Dissolved	Water	3005A	438738

Prep Batch: 438743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-3	G6M-13-05X-H	Dissolved	Water	3005A	438740
680-126570-3 MS	G6M-13-05X-H	Dissolved	Water	3005A	438740
680-126570-3 MSD	G6M-13-05X-H	Dissolved	Water	3005A	438740
680-126570-4	G6M-02-11X-H	Dissolved	Water	3005A	438740
680-126570-5	G6M-04-02X-H	Dissolved	Water	3005A	438740
680-126570-6	G6M-97-28X-H	Dissolved	Water	3005A	438740
LCS 680-438740/2-B	Lab Control Sample	Dissolved	Water	3005A	438740
MB 680-438740/1-B	Method Blank	Dissolved	Water	3005A	438740

Analysis Batch: 438906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-3	G6M-13-05X-H	Dissolved	Water	6010C	438743
680-126570-3 MS	G6M-13-05X-H	Dissolved	Water	6010C	438743
680-126570-3 MSD	G6M-13-05X-H	Dissolved	Water	6010C	438743
680-126570-4	G6M-02-11X-H	Dissolved	Water	6010C	438743
680-126570-5	G6M-04-02X-H	Dissolved	Water	6010C	438743
680-126570-6	G6M-97-28X-H	Dissolved	Water	6010C	438743
LCS 680-438740/2-B	Lab Control Sample	Dissolved	Water	6010C	438743
MB 680-438740/1-B	Method Blank	Dissolved	Water	6010C	438743

Prep Batch: 439004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Dissolved	Water	3005A	
680-126561-1 MS	MW-3_SPR16	Dissolved	Water	3005A	
680-126561-1 MSD	MW-3_SPR16	Dissolved	Water	3005A	
680-126561-2	G6M-02-03X_SPR16	Dissolved	Water	3005A	
680-126561-3	G6M-03-10X_SPR16	Dissolved	Water	3005A	
680-126561-4	G6M-03-09X_SPR16	Dissolved	Water	3005A	
680-126561-5	G6M-97-28X	Dissolved	Water	3005A	
680-126561-6	DUP-3	Dissolved	Water	3005A	
680-126561-8	G6M-13-02X_SPR16	Dissolved	Water	3005A	
LCS 680-439004/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-439004/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 439005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Dissolved	Water	3005A	
680-126561-1 MS	MW-3_SPR16	Dissolved	Water	3005A	
680-126561-1 MSD	MW-3_SPR16	Dissolved	Water	3005A	
680-126561-2	G6M-02-03X_SPR16	Dissolved	Water	3005A	
680-126561-3	G6M-03-10X_SPR16	Dissolved	Water	3005A	
680-126561-4	G6M-03-09X_SPR16	Dissolved	Water	3005A	
680-126561-5	G6M-97-28X	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 439005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-6	DUP-3	Dissolved	Water	3005A	
680-126561-8	G6M-13-02X_SPR16	Dissolved	Water	3005A	
LCS 680-439005/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-439005/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 439280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-2	G6M-02-03X_SPR16	Dissolved	Water	3005A	
680-126561-4	G6M-03-09X_SPR16	Dissolved	Water	3005A	
680-126561-4 MS	G6M-03-09X_SPR16	Dissolved	Water	3005A	
680-126561-4 MSD	G6M-03-09X_SPR16	Dissolved	Water	3005A	
680-126561-8	G6M-13-02X_SPR16	Dissolved	Water	3005A	
LCS 680-439280/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-439280/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 439368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Dissolved	Water	6010C	439005
680-126561-1 MS	MW-3_SPR16	Dissolved	Water	6010C	439005
680-126561-1 MSD	MW-3_SPR16	Dissolved	Water	6010C	439005
680-126561-2	G6M-02-03X_SPR16	Dissolved	Water	6010C	439005
680-126561-3	G6M-03-10X_SPR16	Dissolved	Water	6010C	439005
680-126561-4	G6M-03-09X_SPR16	Dissolved	Water	6010C	439005
680-126561-5	G6M-97-28X	Dissolved	Water	6010C	439005
680-126561-6	DUP-3	Dissolved	Water	6010C	439005
680-126561-8	G6M-13-02X_SPR16	Dissolved	Water	6010C	439005
LCS 680-439005/2-A	Lab Control Sample	Total Recoverable	Water	6010C	439005
MB 680-439005/1-A	Method Blank	Total Recoverable	Water	6010C	439005

Prep Batch: 439449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-1	G6M-02-13X	Dissolved	Water	3005A	
680-126570-2	G6M-03-7X	Dissolved	Water	3005A	
680-126570-7	G6M-04-04X	Dissolved	Water	3005A	
LCS 680-439449/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-439449/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 439456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-1	G6M-02-13X	Dissolved	Water	3005A	
680-126570-2	G6M-03-7X	Dissolved	Water	3005A	
680-126570-7	G6M-04-04X	Dissolved	Water	3005A	
LCS 680-439456/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-439456/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 439665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-2	G6M-02-03X_SPR16	Dissolved	Water	6010C	439280
680-126561-4	G6M-03-09X_SPR16	Dissolved	Water	6010C	439280
680-126561-4 MS	G6M-03-09X_SPR16	Dissolved	Water	6010C	439280
680-126561-4 MSD	G6M-03-09X_SPR16	Dissolved	Water	6010C	439280

Metals (Continued)

Analysis Batch: 439665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-8	G6M-13-02X_SPR16	Dissolved	Water	6010C	439280
680-126570-1	G6M-02-13X	Dissolved	Water	6010C	439449
680-126570-2	G6M-03-7X	Dissolved	Water	6010C	439449
680-126570-7	G6M-04-04X	Dissolved	Water	6010C	439449
LCS 680-439280/2-A	Lab Control Sample	Total Recoverable	Water	6010C	439280
LCS 680-439449/2-A	Lab Control Sample	Total Recoverable	Water	6010C	439449
MB 680-439280/1-A	Method Blank	Total Recoverable	Water	6010C	439280
MB 680-439449/1-A	Method Blank	Total Recoverable	Water	6010C	439449

Analysis Batch: 439975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Dissolved	Water	6020A	439004
680-126561-1 MS	MW-3_SPR16	Dissolved	Water	6020A	439004
680-126561-1 MSD	MW-3_SPR16	Dissolved	Water	6020A	439004
680-126561-2	G6M-02-03X_SPR16	Dissolved	Water	6020A	439004
680-126561-3	G6M-03-10X_SPR16	Dissolved	Water	6020A	439004
680-126561-4	G6M-03-09X_SPR16	Dissolved	Water	6020A	439004
680-126561-5	G6M-97-28X	Dissolved	Water	6020A	439004
680-126561-6	DUP-3	Dissolved	Water	6020A	439004
680-126561-8	G6M-13-02X_SPR16	Dissolved	Water	6020A	439004
680-126570-1	G6M-02-13X	Dissolved	Water	6020A	439456
680-126570-2	G6M-03-7X	Dissolved	Water	6020A	439456
680-126570-3	G6M-13-05X-H	Dissolved	Water	6020A	438742
680-126570-3 MS	G6M-13-05X-H	Dissolved	Water	6020A	438742
680-126570-3 MSD	G6M-13-05X-H	Dissolved	Water	6020A	438742
680-126570-4	G6M-02-11X-H	Dissolved	Water	6020A	438742
680-126570-5	G6M-04-02X-H	Dissolved	Water	6020A	438742
680-126570-6	G6M-97-28X-H	Dissolved	Water	6020A	438742
680-126570-7	G6M-04-04X	Dissolved	Water	6020A	439456
LCS 680-438738/2-B	Lab Control Sample	Dissolved	Water	6020A	438742
LCS 680-439004/2-A	Lab Control Sample	Total Recoverable	Water	6020A	439004
LCS 680-439456/2-A	Lab Control Sample	Total Recoverable	Water	6020A	439456
MB 680-438738/1-B	Method Blank	Dissolved	Water	6020A	438742
MB 680-439004/1-A	Method Blank	Total Recoverable	Water	6020A	439004
MB 680-439456/1-A	Method Blank	Total Recoverable	Water	6020A	439456

General Chemistry

Analysis Batch: 330835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	9060A	
680-126561-1 MS	MW-3_SPR16	Total/NA	Water	9060A	
680-126561-1 MSD	MW-3_SPR16	Total/NA	Water	9060A	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	9060A	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	9060A	
680-126561-6	DUP-3	Total/NA	Water	9060A	
680-126570-1	G6M-02-13X	Total/NA	Water	9060A	
680-126570-2	G6M-03-7X	Total/NA	Water	9060A	
680-126570-7	G6M-04-04X	Total/NA	Water	9060A	
LCS 280-330835/3	Lab Control Sample	Total/NA	Water	9060A	

General Chemistry (Continued)

Analysis Batch: 330835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-330835/4	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 331024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	353.2	
680-126561-1 MS	MW-3_SPR16	Total/NA	Water	353.2	
680-126561-1 MSD	MW-3_SPR16	Total/NA	Water	353.2	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	353.2	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	353.2	
680-126561-6	DUP-3	Total/NA	Water	353.2	
680-126570-1	G6M-02-13X	Total/NA	Water	353.2	
680-126570-2	G6M-03-7X	Total/NA	Water	353.2	
680-126570-7	G6M-04-04X	Total/NA	Water	353.2	
LCS 280-331024/67	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-331024/68	Lab Control Sample Dup	Total/NA	Water	353.2	
MB 280-331024/69	Method Blank	Total/NA	Water	353.2	
MRL 280-331024/21	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 331588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	SM 2320B	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	SM 2320B	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	SM 2320B	
680-126561-6	DUP-3	Total/NA	Water	SM 2320B	
680-126570-1	G6M-02-13X	Total/NA	Water	SM 2320B	
LCS 280-331588/30	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 280-331588/31	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 331705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-2	G6M-03-7X	Total/NA	Water	SM 2320B	
680-126570-7	G6M-04-04X	Total/NA	Water	SM 2320B	
LCS 280-331705/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 280-331705/5	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 437968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126561-1	MW-3_SPR16	Total/NA	Water	9034	
680-126561-1 MS	MW-3_SPR16	Total/NA	Water	9034	
680-126561-1 MSD	MW-3_SPR16	Total/NA	Water	9034	
680-126561-3	G6M-03-10X_SPR16	Total/NA	Water	9034	
680-126561-4	G6M-03-09X_SPR16	Total/NA	Water	9034	
680-126561-6	DUP-3	Total/NA	Water	9034	
680-126570-1	G6M-02-13X	Total/NA	Water	9034	
680-126570-2	G6M-03-7X	Total/NA	Water	9034	
LCS 680-437968/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-437968/3	Lab Control Sample Dup	Total/NA	Water	9034	
MB 680-437968/1	Method Blank	Total/NA	Water	9034	

General Chemistry (Continued)

Analysis Batch: 437973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-126570-7	G6M-04-04X	Total/NA	Water	9034	
LCS 680-437973/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-437973/3	Lab Control Sample Dup	Total/NA	Water	9034	
MB 680-437973/1	Method Blank	Total/NA	Water	9034	

Client Sample ID: MW-3_SPR16

Lab Sample ID: 680-126561-1

Date Collected: 06/16/16 08:50

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 23:00	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438629	06/23/16 20:21	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 16:17	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 11:29	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 18:15	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:15	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330835	06/21/16 17:09	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331588	06/27/16 16:44	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-02-03X_SPR16

Lab Sample ID: 680-126561-2

Date Collected: 06/16/16 16:40

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 11:55	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	50 mL	439280	06/28/16 14:01	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439665	06/29/16 21:09	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 18:43	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: G6M-03-10X_SPR16

Lab Sample ID: 680-126561-3

Date Collected: 06/16/16 09:20

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 23:21	DJK	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-03-10X_SPR16

Lab Sample ID: 680-126561-3

Date Collected: 06/16/16 09:20

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438629	06/23/16 21:00	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 17:44	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 12:00	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 18:49	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:21	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330835	06/21/16 17:56	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331588	06/27/16 16:49	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-03-09X_SPR16

Lab Sample ID: 680-126561-4

Date Collected: 06/16/16 10:40

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 23:41	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438629	06/23/16 21:13	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 18:01	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 12:06	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	50 mL	439280	06/28/16 14:01	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439665	06/29/16 21:14	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 18:54	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:35	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: G6M-03-09X_SPR16

Lab Sample ID: 680-126561-4

Date Collected: 06/16/16 10:40

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1			330835	06/21/16 18:11	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331588	06/27/16 16:54	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-97-28X

Lab Sample ID: 680-126561-5

Date Collected: 06/16/16 16:10

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 12:21	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 19:11	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: DUP-3

Lab Sample ID: 680-126561-6

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/25/16 00:02	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438629	06/23/16 21:25	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 18:54	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 12:26	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 19:17	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:37	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330835	06/21/16 18:55	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331588	06/27/16 17:00	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: Trip Blank

Lab Sample ID: 680-126561-7

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 20:17	DJK	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-13-02X_SPR16

Lab Sample ID: 680-126561-8

Date Collected: 06/16/16 14:30

Matrix: Water

Date Received: 06/17/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 22:40	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	439005	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439368	06/28/16 12:32	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	50 mL	439280	06/29/16 09:44	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439665	06/29/16 21:40	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439004	06/27/16 09:57	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 19:23	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-126570-1

Date Collected: 06/16/16 14:50

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 20:38	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438758	06/24/16 16:41	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 19:11	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439449	06/29/16 13:00	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439665	06/30/16 01:08	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439456	06/29/16 13:00	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 19:56	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:39	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330835	06/21/16 22:11	CCJ	TAL DEN
	Instrument ID: WC_SHI2									

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-126570-1

Date Collected: 06/16/16 14:50

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	1 mL		331588	06/27/16 17:06	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-03-7X

Lab Sample ID: 680-126570-2

Date Collected: 06/16/16 16:15

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438935	06/26/16 12:18	CEJ	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438758	06/24/16 16:54	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 19:28	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439449	06/29/16 13:00	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439665	06/30/16 01:13	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439456	06/29/16 13:00	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 20:02	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:41	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437968	06/19/16 07:57	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330835	06/21/16 22:25	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331705	06/28/16 11:44	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-13-05X-H

Lab Sample ID: 680-126570-3

Date Collected: 06/16/16 12:35

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	438935	06/26/16 12:39	CEJ	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438743	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438740	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438906	06/24/16 23:52	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438742	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438738	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 16:28	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: G6M-02-11X-H

Lab Sample ID: 680-126570-4

Date Collected: 06/16/16 12:00

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438935	06/26/16 12:59	CEJ	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438743	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438740	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438906	06/25/16 00:18	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438742	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438738	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 16:56	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: G6M-04-02X-H

Lab Sample ID: 680-126570-5

Date Collected: 06/16/16 16:50

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 21:39	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438743	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438740	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438906	06/25/16 00:23	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438742	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438738	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 17:02	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: G6M-97-28X-H

Lab Sample ID: 680-126570-6

Date Collected: 06/16/16 17:05

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 21:59	DJK	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	438743	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438740	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	438906	06/25/16 00:39	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	438742	06/24/16 08:02	CRW	TAL SAV
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	438738	06/24/16 08:02	CRW	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 17:07	BWR	TAL SAV
	Instrument ID: ICPMSB									

Client Sample ID: G6M-04-04X

Lab Sample ID: 680-126570-7

Date Collected: 06/16/16 16:30

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 22:19	DJK	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	438758	06/24/16 17:07	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	439027	06/27/16 19:46	AJO	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	439449	06/29/16 13:00	AJR	TAL SAV
Dissolved	Analysis	6010C		1	50 mL	50 mL	439665	06/30/16 01:18	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	439456	06/29/16 13:00	AJR	TAL SAV
Dissolved	Analysis	6020A		1	50 mL	250 mL	439975	07/03/16 20:08	BWR	TAL SAV
	Instrument ID: ICPMSB									
Total/NA	Analysis	353.2		1	100 mL	100 mL	331024	06/22/16 16:43	NAS	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	437973	06/19/16 08:45	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			330835	06/21/16 22:41	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1	1 mL		331705	06/28/16 11:49	IEU	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: Trip Blank

Lab Sample ID: 680-126570-8

Date Collected: 06/16/16 00:00

Matrix: Water

Date Received: 06/18/16 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	438880	06/24/16 19:57	DJK	TAL SAV
	Instrument ID: CMSB									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

CHAIN OF CUSTODY RECORD

KGS

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
360325-Boston
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	AOC 50

TESTAMERICA (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Jerry Lanier		W912WJ-15-C-0002

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445

CLIENT NAME	CLIENT EMAIL
KOMAN Government Solutions, LLC	lekes@komangs.com

CLIENT ADDRESS

160 East Main Street,, Suite 2F, Westborough, MA 01581

Moore Airfield AOC 50 - Area 5

PAGE: 1 of

STANDARD REPORT DELIVERY ◯ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯ DATE DUE:

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1/1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: VOCs (SW8260C) 3-40 ml VOA vials	Dissolved Gases for methane, ethane, ethene (RSK-175) 2-40 ml VOA vials	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly (Field Filter)	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353.2) 1 500 ml Poly	Sulfate (SW9056A or E300 with Nitrate) 1 500 ml Poly (1 Poly)	Sulfide (SM4500D-S-) 1 250 ml Poly	Total Organic Carbon (SM5310B) 2 40 ml VOA vials (1 Poly)	REMARKS
		NUMBER OF CONTAINERS SUBMITTED:						HCL	HCl	HNO3		H2SO4		Zn acetate + NaOH	H3PO4	
6/16/16	850	MW-3_SPR16		X				3	3	1	1	1	1	1	1	MS/MSD
6/15/16	1640	~~G6M-13-04X_SPR16~~ G6M-02-03X_SPR16		X			*	~~3~~	~~2~~	1	1	1	1	1	2	* Metals analysis only per L. Fakes 6/20/16 dRamsden
		G6M-02-11X_SPR16		X				3	2	1	1	1	1	1	2	
6/16/16	920	G6M-03-10X_SPR16		X				3	2	1	1	1	1	1	2	
6/16/16	1040	G6M-03-09X_SPR16		X				3	2	1	1	1	1	1	2	
6/15/16	1610	~~G6M-07-05B_SPR16~~ G6M-07-25X		X			*	~~3~~		1						
		~~G6M-13-01X_SPR16~~		X				3		1						
6/16/16	0000	Dup-3		X				3	3	1	1	1	1	1	1	Add Dups, Trips, MS/MSD etc.
		Trip Blank		X				2								
6/16/16	1430	G6M-13-02X_SPR16		X				3		1						

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6.16.16	1530		6-16-16	1530			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	6-16-16	1800						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS:
V. Samson	6/17/16	9:15	YES ◯ NO ◯		680126561	r1.9/5.2

Page 80 of 85

7/5/2016

CHAIN OF CUSTODY RECORD

KGS

3600325-Boston

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testame
Phone: (912) 354-785
Fax: (912) 352-0165

9060, 353.2 + SM2320B

TO DENVER

THE REST TO SAVANNAH.

7/5/2016

PROJECT REFERENCE	PROJECT NO	PROJECT LOCATION (STATE)
Fort Devens, Devens Mass	1024-003	AOC 50
TESTAMERICA (LAB) PROJECT MANAGER	P O NUMBER	CONTRACT NO
Jerry Lanier		W912WJ-15-C-0002
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Beth Anderson	(508) 366-7442	508-366-7445
CLIENT NAME	CLIENT EMAIL	
KOMAN Government Solutions, LLC	lekes@komangs.com	
CLIENT ADDRESS		
160 East Main Street,, Suite 2F, Westborough, MA 01581		

Moore Airfield AOC 50 - Area 5

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)

REQUIRED ANALYSES

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	VOCs (SW8260C) 3-40 ml VOA vials	Dissolved Gases for methane, ethane, ethene (RSK-175) 2-40 ml VOA vials	Dissolved Metals for As, Fe, Mn (SW6010C) 1-250 ml Poly (FIELD FILTERED)	Alkalinity (SM2320B) 1 250 ml Poly	Nitrate (E353.2) 1 500 ml Poly	Sulfate (SW9056A or E300 with Nitrate) 1 500 ml Poly	Sulfide (SM4500D-S-) 1 250 ml Poly	Total Organic Carbon (SM5310B) 2 40 ml VOA vials	Dissolved metals 6010C Fe, Mn, As 1-60 FF	(SURCHARGE)
								HCL	HCl	HNO3		H2SO4		Zn acetate + NaOH	H3PO4	None	DATE DUE
								NUMBER OF CONTAINERS SUBMITTED									NUMBER OF COOLERS SUBMITTED PER SHIPMENT
6/16/16	1450	~~MW-3_SPR16~~ 66M-02-13X		X				3	2 3	1	1	1	1	1	2 1		REMARKS
6/16/16	1615	~~G6M-13-04X_SPR16~~ 66M-03-07X		X				3	2 3	1	1	1	1	1	3		
6/16/16	1235	~~G6M-02-11X_SPR16~~ 66M-13-05X-M		X				~~3~~ 2	~~2~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	1	
6/16/16	1200	~~G6M-03-10X_SPR16~~ 66M-02-11X_M		X				~~3~~ 2	~~2~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	1	
6/16/16	1650	~~G6M-03-09X_SPR16~~ 66M-04-02X_M		X				~~3~~ 2	~~2~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	1	
6/16/16	1705	~~G6M-07-05B_SPR16~~ 66M-07-08X_M		X				~~3~~ 2		~~1~~						1	
6/16/16	1630	G6M-13-01X_SPR16 66M-04-04X		X				3	3	1	1	1	1	1	1		
~	~	Trip Blank		X				2									Add Dups, Trips, MS/MSD etc

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6/16/16	1830		6/17/16	16:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	6/17/16	11:00						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO	LABORATORY REMARKS
	6/18/16	10:51	YES NO		680126570	0.2/0.5

680-126570 Chain of Custody

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126561-1

Login Number: 126561

List Source: TestAmerica Savannah

List Number: 1

Creator: Jackson, Victor L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126561-1

Login Number: 126561
List Number: 2
Creator: Muniz, Ashley T

List Source: TestAmerica Denver
List Creation: 06/17/16 02:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-126561-1

Login Number: 126570

List Source: TestAmerica Savannah

List Number: 1

Creator: Ragnaldsen, Amy E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Moore Airfield - AOC 50

TestAmerica Job ID: 680-126561-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17

B.3

Fall 2016 LTM Event

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-131959-1
Client Project/Site: Fort Devens / AOC 50

For:
KOMAN Government Solutions, LLC
160 East Main St
Suite 2F
Westborough, Massachusetts 01581

Attn: Laurie Ekes

Jerry Lanier

Authorized for release by:
11/28/2016 2:10:42 PM

Jerry Lanier, Project Manager I
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LINKS

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

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

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

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Job ID: 680-131959-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: KOMAN Government Solutions, LLC

Project: Fort Devens / AOC 50

Report Number: 680-131959-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/10/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6º C, 3.4º C and 4.6º C.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples G6M-96-22B (680-131959-1), G6M-96-22A (680-131959-2), G6M-95-20X (680-131959-3), G6M-95-19X (680-131959-4), G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-73-13X (680-131959-7), Trip Blank (680-131959-8), G6M-13-02X (680-131959-9), G6M-02-13X (680-131959-10), G6M-02-04X (680-131959-11), G6M-04-01X (680-131959-15), G6M-02-01X (680-131959-16), G6M-04-09X (680-131959-17) and G6M-04-10X (680-131959-18) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/21/2016.

The matrix spike (MS) recoveries for analytical batch 680-458558 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The matrix spike / matrix spike duplicate(MS/MSD) precision for analytical batch 680-458558 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

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

DISSOLVED GASES

Samples G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-02-13X (680-131959-10), G6M-02-01X (680-131959-16) and G6M-04-10X (680-131959-18) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 11/10/2016.

The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-457135 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Methane in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Methane failed the recovery criteria low for the MS/MSD of sample G6M-04-04X (680-131959-5) in batch 680-457135.

Methane failed the recovery criteria high for the MS/MSD of sample G6M-13-06X (680-131959-6) in batch 680-457135.

Job ID: 680-131959-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Refer to the QC report for details.

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

METALS (ICP)

Samples G6M-96-22B (680-131959-1), G6M-96-22A (680-131959-2), G6M-95-20X (680-131959-3), G6M-95-19X (680-131959-4), G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-73-13X (680-131959-7), G6M-13-02X (680-131959-9), G6M-02-13X (680-131959-10), G6M-02-04X (680-131959-11), G6M-97-28X (680-131959-12), G6M-02-03X (680-131959-13), G6M-04-22X (680-131959-14), G6M-04-01X (680-131959-15), G6M-02-01X (680-131959-16), G6M-04-09X (680-131959-17) and G6M-04-10X (680-131959-18) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/14/2016 and 11/15/2016 and analyzed on 11/16/2016.

Iron and Manganese failed the recovery criteria low for the MS/MSD of sample G6M-04-04X (680-131959-5) in batch 680-458027.

Iron and Manganese failed the recovery criteria high for the MS of sample G6M-13-06XMS (680-131959-6) in batch 680-458027.

Iron failed the recovery criteria high for the MSD of sample G6M-13-06XMSD (680-131959-6) in batch 680-458027.

Refer to the QC report for details.

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

METALS (ICP-MS)

Samples G6M-96-22B (680-131959-1), G6M-96-22A (680-131959-2), G6M-95-20X (680-131959-3), G6M-95-19X (680-131959-4), G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-73-13X (680-131959-7), G6M-13-02X (680-131959-9), G6M-02-13X (680-131959-10), G6M-02-04X (680-131959-11), G6M-97-28X (680-131959-12), G6M-02-03X (680-131959-13), G6M-04-22X (680-131959-14), G6M-04-01X (680-131959-15), G6M-02-01X (680-131959-16), G6M-04-09X (680-131959-17) and G6M-04-10X (680-131959-18) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 11/14/2016 and 11/15/2016 and analyzed on 11/17/2016.

Arsenic failed the recovery criteria low for the MSD of sample G6M-04-04XMSD (680-131959-5) in batch 680-458221.

Arsenic failed the recovery criteria high for the MS/MSD of sample G6M-13-06XMS/MSD (680-131959-6) in batch 680-458221.

Refer to the QC report for details.

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

ALKALINITY

Samples G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-02-13X (680-131959-10), G6M-02-01X (680-131959-16) and G6M-04-10X (680-131959-18) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 11/11/2016, 11/15/2016 and 11/17/2016.

The method blank associated with analytical batch 280-351620 contained Alkalinity greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples contained greater than 10x the analytes found in the MB. The sample results have been qualified and reported. Batch 351620

The instrument blank for analytical batch 280-351620 contained Alkalinity greater than one-half the reporting limit (RL), and were not re-analyzed because the CCB is less than the RL and analytes found in all samples are greater than 10x the CCB. The data have been qualified and reported. Batch 351620

The sample duplicate (DUP) precision for Total Alkalinity was outside control limits. Sample non-homogeneity is suspected. Batch 351620

Job ID: 680-131959-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

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

NITRATE-NITRITE AS NITROGEN

Samples G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-02-13X (680-131959-10), G6M-02-01X (680-131959-16) and G6M-04-10X (680-131959-18) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 11/11/2016 and 11/15/2016.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for method 353.2_Pres analytical batch 280-351069 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Refer to the QC report for details.

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

SULFIDE

Samples G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-02-13X (680-131959-10), G6M-02-01X (680-131959-16) and G6M-04-10X (680-131959-18) were analyzed for sulfide in accordance with EPA SW846 Method 9034. The samples were analyzed on 11/10/2016.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-02-13X (680-131959-10), G6M-02-01X (680-131959-16) and G6M-04-10X (680-131959-18) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with SW 846 9056A. The samples were analyzed on 11/18/2016 and 11/19/2016.

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

TOTAL ORGANIC CARBON

Samples G6M-04-04X (680-131959-5), G6M-13-06X (680-131959-6), G6M-02-13X (680-131959-10), G6M-02-01X (680-131959-16) and G6M-04-10X (680-131959-18) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 11/22/2016.

Sample G6M-13-06X (680-131959-6)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Sample Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-131959-1	G6M-96-22B	Water	11/08/16 09:35	11/10/16 09:10
680-131959-2	G6M-96-22A	Water	11/08/16 11:10	11/10/16 09:10
680-131959-3	G6M-95-20X	Water	11/08/16 12:30	11/10/16 09:10
680-131959-4	G6M-95-19X	Water	11/08/16 13:30	11/10/16 09:10
680-131959-5	G6M-04-04X	Water	11/08/16 15:15	11/10/16 09:10
680-131959-6	G6M-13-06X	Water	11/08/16 09:10	11/10/16 09:10
680-131959-7	G6M-73-13X	Water	11/08/16 11:25	11/10/16 09:10
680-131959-8	Trip Blank	Water	11/08/16 00:00	11/10/16 09:10
680-131959-9	G6M-13-02X	Water	11/08/16 13:10	11/10/16 09:10
680-131959-10	G6M-02-13X	Water	11/08/16 14:00	11/10/16 09:10
680-131959-11	G6M-02-04X	Water	11/08/16 15:15	11/10/16 09:10
680-131959-12	G6M-97-28X	Water	11/08/16 16:05	11/10/16 09:10
680-131959-13	G6M-02-03X	Water	11/08/16 16:50	11/10/16 09:10
680-131959-14	G6M-04-22X	Water	11/09/16 08:05	11/10/16 09:10
680-131959-15	G6M-04-01X	Water	11/09/16 09:20	11/10/16 09:10
680-131959-16	G6M-02-01X	Water	11/09/16 10:10	11/10/16 09:10
680-131959-17	G6M-04-09X	Water	11/09/16 12:00	11/10/16 09:10
680-131959-18	G6M-04-10X	Water	11/09/16 13:05	11/10/16 09:10

Method Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9056A	Anions, Ion Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL DEN
SM 2320B	Alkalinity	SM	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

HPLC/IC

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-96-22B — Lab Sample ID: 680-131959-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Manganese	6500		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-96-22A — Lab Sample ID: 680-131959-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Manganese	2300		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-95-20X — Lab Sample ID: 680-131959-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.82	J	1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	14000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	940		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	26		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-95-19X — Lab Sample ID: 680-131959-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.6		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Manganese	760		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-04-04X — Lab Sample ID: 680-131959-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.43	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.6	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Vinyl chloride	0.57	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	3.0		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Ethylene	38		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	20000		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	120000	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	9700	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	530	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Sulfide	4.4		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	7.3		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	180		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-13-06X — Lab Sample ID: 680-131959-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18		10	10	7.0	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	82	J	10	10	3.4	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	9.8		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	10		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Ethylbenzene	18		1.0	0.50	0.33	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	0.46	J	1.0	1.0	0.35	ug/L	1		8260B	Total/NA
Toluene	2.9		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.55	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Savannah

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-13-06X (Continued) — Lab Sample ID: 680-131959-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	7.7		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	0.46	J	2.0	0.50	0.23	ug/L	1		8260B	Total/NA
Ethylene	23		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	11000		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	250000	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	9600	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	470	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Sulfide	5.8		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	55		2.0	1.0	0.31	mg/L	2		9060A	Total/NA
Alkalinity	560		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-73-13X — Lab Sample ID: 680-131959-7

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		10	10	7.0	ug/L	1		8260B	Total/NA
Iron	150		50	50	17	ug/L	1		6010C	Dissolved
Manganese	230		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: Trip Blank — Lab Sample ID: 680-131959-8

No Detections.

Client Sample ID: G6M-13-02X — Lab Sample ID: 680-131959-9

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	38		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	38		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	84		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	27		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	0.93	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Manganese	4.7	J	10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-02-13X — Lab Sample ID: 680-131959-10

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	65		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	66		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.59	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	9.7		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	23		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylene	7.8		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	1500		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	0.63	J M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	7700		50	50	17	ug/L	1		6010C	Dissolved
Manganese	12000		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	110		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	1.7		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	190	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-02-04X — Lab Sample ID: 680-131959-11

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.6	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Iron	21000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	1100		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	470		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-97-28X — Lab Sample ID: 680-131959-12

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Iron	2200		50	50	17	ug/L	1		6010C	Dissolved
Manganese	18000		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	27		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-02-03X — Lab Sample ID: 680-131959-13

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Iron	29	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	99		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-04-22X — Lab Sample ID: 680-131959-14

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Iron	150000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	960		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	650		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-01X — Lab Sample ID: 680-131959-15

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.84	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.84	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.68	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	95000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	19000		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	320		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-02-01X — Lab Sample ID: 680-131959-16

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.69	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
Methane (TCD)	18000		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	62000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	2100		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	430		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Sulfide	1.8		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	3.1		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	140	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-04-09X — Lab Sample ID: 680-131959-17

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-04-09X (Continued)

Lab Sample ID: 680-131959-17

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.67	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
Toluene	0.56	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	0.56	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	160000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	2600		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	430		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-10X

Lab Sample ID: 680-131959-18

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.1		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Methane	170		0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	32	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	36	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	420		10	3.0	1.0	ug/L	1		6010C	Dissolved
Nitrate/Nitrite-N	0.58		0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Sulfide	2.2		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	0.72	J	1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	10		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-96-22B
Date Collected: 11/08/16 09:35
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 10:23	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:23	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:23	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:23	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 10:23	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 10:23	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:23	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 10:23	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:23	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 10:23	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:23	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 10:23	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 10:23	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 10:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 10:23	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 10:23	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:23	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:23	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:23	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 10:23	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 10:23	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 10:23	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 10:23	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:23	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 10:23	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 10:23	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 10:23	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 10:23	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:23	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 10:23	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:23	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 10:23	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 10:23	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:23	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:23	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 10:23	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 10:23	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:23	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 10:23	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 10:23	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 10:23	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:23	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 10:23	1

Client Sample ID: G6M-96-22B

Lab Sample ID: 680-131959-1

Date Collected: 11/08/16 09:35

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 10:23	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 10:23	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:23	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:23	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:23	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:23	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:23	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:23	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 10:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 10:23	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 10:23	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 10:23	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:23	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*11/21/16 10:23*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/21/16 10:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/21/16 10:23*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*11/21/16 10:23*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 03:23	1
Manganese	**6500**		10	3.0	1.0	ug/L		11/16/16 03:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 03:56	1

Client Sample ID: G6M-96-22A

Lab Sample ID: 680-131959-2

Date Collected: 11/08/16 11:10

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 10:43	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:43	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:43	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:43	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 10:43	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 10:43	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:43	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 10:43	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-96-22A
Date Collected: 11/08/16 11:10
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:43	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 10:43	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:43	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 10:43	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 10:43	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 10:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 10:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 10:43	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:43	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:43	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:43	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 10:43	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 10:43	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 10:43	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 10:43	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:43	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 10:43	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 10:43	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 10:43	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 10:43	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:43	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 10:43	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:43	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 10:43	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 10:43	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:43	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:43	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 10:43	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 10:43	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:43	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 10:43	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 10:43	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 10:43	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:43	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 10:43	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 10:43	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 10:43	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:43	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:43	1

Client Sample ID: G6M-96-22A

Lab Sample ID: 680-131959-2

Date Collected: 11/08/16 11:10

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:43	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:43	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:43	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:43	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 10:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 10:43	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 10:43	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 10:43	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:43	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*		*11/21/16 10:43*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 10:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/21/16 10:43*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 10:43*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 03:28	1
Manganese	**2300**		10	3.0	1.0	ug/L		11/16/16 03:28	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 04:00	1

Client Sample ID: G6M-95-20X

Lab Sample ID: 680-131959-3

Date Collected: 11/08/16 12:30

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 11:04	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:04	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:04	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:04	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 11:04	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 11:04	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:04	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 11:04	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:04	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 11:04	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:04	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 11:04	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 11:04	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 11:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 11:04	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-95-20X
Date Collected: 11/08/16 12:30
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 11:04	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:04	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:04	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:04	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 11:04	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 11:04	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 11:04	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 11:04	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:04	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 11:04	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 11:04	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 11:04	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 11:04	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:04	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 11:04	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:04	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 11:04	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 11:04	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:04	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:04	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 11:04	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 11:04	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:04	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 11:04	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 11:04	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 11:04	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:04	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 11:04	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 11:04	1
Tetrachloroethene	**0.82**	**J**	1.0	1.0	0.74	ug/L		11/21/16 11:04	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:04	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:04	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:04	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:04	1
Trichloroethene	**1.0**		1.0	1.0	0.48	ug/L		11/21/16 11:04	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:04	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 11:04	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 11:04	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 11:04	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 11:04	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:04	1

Client Sample ID: G6M-95-20X

Lab Sample ID: 680-131959-3

Date Collected: 11/08/16 12:30

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*11/21/16 11:04*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/21/16 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/21/16 11:04*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/21/16 11:04*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**14000**		50	50	17	ug/L		11/16/16 03:34	1
Manganese	**940**		10	3.0	1.0	ug/L		11/16/16 03:34	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**26**		3.0	3.0	1.5	ug/L		11/17/16 04:04	1

Client Sample ID: G6M-95-19X

Lab Sample ID: 680-131959-4

Date Collected: 11/08/16 13:30

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 11:24	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:24	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:24	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:24	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 11:24	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 11:24	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:24	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 11:24	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:24	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 11:24	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:24	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 11:24	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 11:24	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 11:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 11:24	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 11:24	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:24	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:24	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:24	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 11:24	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 11:24	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 11:24	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 11:24	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:24	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-95-19X
Date Collected: 11/08/16 13:30
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 11:24	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 11:24	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 11:24	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 11:24	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:24	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 11:24	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:24	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 11:24	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 11:24	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:24	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:24	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 11:24	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 11:24	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:24	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 11:24	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 11:24	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 11:24	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:24	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 11:24	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 11:24	1
Tetrachloroethene	**1.6**		1.0	1.0	0.74	ug/L		11/21/16 11:24	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:24	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:24	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:24	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:24	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:24	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:24	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 11:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 11:24	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 11:24	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 11:24	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:24	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*		*11/21/16 11:24*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 119*		*11/21/16 11:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/21/16 11:24*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*11/21/16 11:24*	*1*

Client Sample ID: G6M-95-19X

Lab Sample ID: 680-131959-4

Date Collected: 11/08/16 13:30

Matrix: Water

Date Received: 11/10/16 09:10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 03:49	1
Manganese	**760**		10	3.0	1.0	ug/L		11/16/16 03:49	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 04:07	1

Client Sample ID: G6M-04-04X

Lab Sample ID: 680-131959-5

Date Collected: 11/08/16 15:15

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 09:42	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:42	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:42	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:42	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 09:42	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 09:42	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:42	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 09:42	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:42	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 09:42	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:42	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 09:42	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 09:42	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:42	1
cis-1,2-Dichloroethene	**0.43**	**J**	1.0	1.0	0.41	ug/L		11/21/16 09:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 09:42	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 09:42	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:42	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:42	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:42	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 09:42	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 09:42	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 09:42	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 09:42	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:42	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 09:42	1
1,2-Dichloroethene, Total	**1.6**	**J**	2.0	1.0	0.74	ug/L		11/21/16 09:42	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 09:42	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 09:42	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:42	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 09:42	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:42	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 09:42	1
Hexachlorobutadiene	5.0	U J	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 09:42	1

Client Sample ID: G6M-04-04X
Date Collected: 11/08/16 15:15
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:42	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:42	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 09:42	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 09:42	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:42	1
Naphthalene	5.0	U J	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 09:42	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 09:42	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 09:42	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:42	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 09:42	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:42	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 09:42	1
Tetrachloroethene	1.0	U M	1.0	1.0	0.74	ug/L		11/21/16 09:42	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:42	1
trans-1,2-Dichloroethene	**1.2**		1.0	1.0	0.37	ug/L		11/21/16 09:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:42	1
1,2,3-Trichlorobenzene	5.0	U J	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
1,2,4-Trichlorobenzene	5.0	U J	5.0	5.0	2.5	ug/L		11/21/16 09:42	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:42	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:42	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:42	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:42	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 09:42	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 09:42	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 09:42	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 09:42	1
Vinyl chloride	**0.57**	**J**	1.0	1.0	0.50	ug/L		11/21/16 09:42	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*11/21/16 09:42*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 09:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/21/16 09:42*	*1*
Toluene-d8 (Surr)	*106*		*89 - 112*		*11/21/16 09:42*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**3.0**		1.1	1.1	0.55	ug/L		11/10/16 15:27	1
Ethylene	**38**		1.0	1.0	0.50	ug/L		11/10/16 15:27	1
Methane (TCD)	**20000**		390	77	39	ug/L		11/10/16 15:27	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/18/16 23:20	1

Client Sample ID: G6M-04-04X

Lab Sample ID: 680-131959-5

Date Collected: 11/08/16 15:15

Matrix: Water

Date Received: 11/10/16 09:10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**120000**	**J**	50	50	17	ug/L		11/16/16 03:54	1
Manganese	**9700**	**J**	10	3.0	1.0	ug/L		11/16/16 03:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**530**	**J**	3.0	3.0	1.5	ug/L		11/17/16 04:11	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U J	0.10	0.050	0.019	mg/L		11/11/16 15:35	1
Sulfide	**4.4**		1.0	1.0	1.0	mg/L		11/10/16 10:30	1
Total Organic Carbon - Duplicates	**7.3**		1.0	0.50	0.16	mg/L		11/22/16 08:38	1
Alkalinity	**180**		5.0	3.2	1.1	mg/L		11/11/16 18:22	1

Client Sample ID: G6M-13-06X

Lab Sample ID: 680-131959-6

Date Collected: 11/08/16 09:10

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**18**		10	10	7.0	ug/L		11/21/16 10:02	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:02	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:02	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:02	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
2-Butanone (MEK)	**82**	**J**	10	10	3.4	ug/L		11/21/16 10:02	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 10:02	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:02	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 10:02	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 10:02	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 10:02	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:02	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 10:02	1
2-Chlorotoluene	0.50	U J	1.0	0.50	0.27	ug/L		11/21/16 10:02	1
4-Chlorotoluene	1.0	U J	1.0	1.0	0.45	ug/L		11/21/16 10:02	1
cis-1,2-Dichloroethene	**9.8**		1.0	1.0	0.41	ug/L		11/21/16 10:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 10:02	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 10:02	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:02	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:02	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 10:02	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 10:02	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 10:02	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 10:02	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 10:02	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 10:02	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 10:02	1
1,2-Dichloroethene, Total	**10**		2.0	1.0	0.74	ug/L		11/21/16 10:02	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 10:02	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-13-06X
Date Collected: 11/08/16 09:10
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U J	1.0	1.0	0.34	ug/L		11/21/16 10:02	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:02	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 10:02	1
Ethylbenzene	**18**		1.0	0.50	0.33	ug/L		11/21/16 10:02	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 10:02	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 10:02	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 10:02	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:02	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 10:02	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 10:02	1
m-Xylene & p-Xylene	**0.46**	**J**	1.0	1.0	0.35	ug/L		11/21/16 10:02	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 10:02	1
N-Propylbenzene	1.0	U J	1.0	1.0	0.38	ug/L		11/21/16 10:02	1
o-Xylene	0.50	U J	1.0	0.50	0.23	ug/L		11/21/16 10:02	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:02	1
Styrene	0.50	U J	1.0	0.50	0.27	ug/L		11/21/16 10:02	1
tert-Butylbenzene	1.0	U J	1.0	1.0	0.45	ug/L		11/21/16 10:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 10:02	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 10:02	1
Toluene	**2.9**		1.0	1.0	0.48	ug/L		11/21/16 10:02	1
trans-1,2-Dichloroethene	**0.55**	**J**	1.0	1.0	0.37	ug/L		11/21/16 10:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:02	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 10:02	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 10:02	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 10:02	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 10:02	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 10:02	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 10:02	1
1,2,4-Trimethylbenzene	1.0	U J	1.0	1.0	0.47	ug/L		11/21/16 10:02	1
1,3,5-Trimethylbenzene	0.50	U J	1.0	0.50	0.31	ug/L		11/21/16 10:02	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 10:02	1
Vinyl chloride	**7.7**		1.0	1.0	0.50	ug/L		11/21/16 10:02	1
Xylenes, Total	**0.46**	**J**	2.0	0.50	0.23	ug/L		11/21/16 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*11/21/16 10:02*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 10:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*		*11/21/16 10:02*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 10:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/10/16 16:05	1
Ethylene	**23**		1.0	1.0	0.50	ug/L		11/10/16 16:05	1
Methane (TCD)	**11000**		390	77	39	ug/L		11/10/16 16:05	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/19/16 03:41	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	250000	J	50	50	17	ug/L		11/16/16 04:21	1
Manganese	9600	J	10	3.0	1.0	ug/L		11/16/16 04:21	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	470	J	3.0	3.0	1.5	ug/L		11/17/16 10:20	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U J	0.10	0.050	0.019	mg/L		11/11/16 16:27	1
Sulfide	5.8		1.0	1.0	1.0	mg/L		11/10/16 14:35	1
Total Organic Carbon - Duplicates	55		2.0	1.0	0.31	mg/L		11/22/16 18:33	2
Alkalinity	560		5.0	3.2	1.1	mg/L		11/11/16 18:28	1

Client Sample ID: G6M-73-13X

Lab Sample ID: 680-131959-7

Date Collected: 11/08/16 11:25

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	28		10	10	7.0	ug/L		11/21/16 11:44	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:44	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:44	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:44	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 11:44	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 11:44	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:44	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 11:44	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:44	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 11:44	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:44	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 11:44	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 11:44	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 11:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 11:44	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 11:44	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:44	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:44	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 11:44	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 11:44	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 11:44	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 11:44	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 11:44	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:44	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 11:44	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 11:44	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 11:44	1

Client Sample ID: G6M-73-13X
Date Collected: 11/08/16 11:25
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 11:44	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:44	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 11:44	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:44	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 11:44	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 11:44	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:44	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:44	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 11:44	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 11:44	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 11:44	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 11:44	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 11:44	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 11:44	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:44	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 11:44	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 11:44	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 11:44	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 11:44	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:44	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 11:44	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 11:44	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 11:44	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 11:44	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 11:44	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 11:44	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 11:44	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 11:44	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 11:44	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 11:44	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*		*11/21/16 11:44*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 11:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/21/16 11:44*	*1*
Toluene-d8 (Surr)	*108*		*89 - 112*		*11/21/16 11:44*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**150**		50	50	17	ug/L		11/16/16 04:36	1
Manganese	**230**		10	3.0	1.0	ug/L		11/16/16 04:36	1

Client Sample ID: G6M-73-13X

Lab Sample ID: 680-131959-7

Date Collected: 11/08/16 11:25

Matrix: Water

Date Received: 11/10/16 09:10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 10:30	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-131959-8

Date Collected: 11/08/16 00:00

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 09:21	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:21	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:21	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:21	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 09:21	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 09:21	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:21	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 09:21	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:21	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 09:21	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:21	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 09:21	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 09:21	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 09:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 09:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 09:21	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:21	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:21	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:21	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 09:21	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 09:21	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 09:21	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 09:21	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:21	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 09:21	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 09:21	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 09:21	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 09:21	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:21	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 09:21	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:21	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 09:21	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 09:21	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:21	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:21	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 09:21	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 09:21	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-131959-8

Date Collected: 11/08/16 00:00

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:21	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 09:21	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 09:21	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 09:21	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:21	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 09:21	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:21	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 09:21	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 09:21	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:21	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:21	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:21	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:21	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:21	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:21	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 09:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 09:21	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 09:21	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 09:21	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:21	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/21/16 09:21*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*11/21/16 09:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*81 - 118*		*11/21/16 09:21*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 09:21*	*1*

Client Sample ID: G6M-13-02X

Lab Sample ID: 680-131959-9

Date Collected: 11/08/16 13:10

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 12:05	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:05	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:05	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:05	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 12:05	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 12:05	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:05	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 12:05	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:05	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 12:05	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-13-02X
Date Collected: 11/08/16 13:10
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:05	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 12:05	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 12:05	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:05	1
cis-1,2-Dichloroethene	**38**		1.0	1.0	0.41	ug/L		11/21/16 12:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 12:05	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 12:05	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:05	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:05	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:05	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 12:05	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 12:05	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 12:05	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 12:05	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:05	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 12:05	1
1,2-Dichloroethene, Total	**38**		2.0	1.0	0.74	ug/L		11/21/16 12:05	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 12:05	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 12:05	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:05	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 12:05	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:05	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 12:05	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 12:05	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:05	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:05	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 12:05	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 12:05	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:05	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 12:05	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 12:05	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 12:05	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:05	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 12:05	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:05	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 12:05	1
Tetrachloroethene	**84**		1.0	1.0	0.74	ug/L		11/21/16 12:05	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:05	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:05	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:05	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:05	1

Client Sample ID: G6M-13-02X

Lab Sample ID: 680-131959-9

Date Collected: 11/08/16 13:10

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Trichloroethene	**27**		1.0	1.0	0.48	ug/L		11/21/16 12:05	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:05	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 12:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 12:05	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 12:05	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 12:05	1
Vinyl chloride	**0.93**	**J**	1.0	1.0	0.50	ug/L		11/21/16 12:05	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*11/21/16 12:05*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/21/16 12:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/21/16 12:05*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 12:05*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 04:52	1
Manganese	**4.7**	**J**	10	3.0	1.0	ug/L		11/16/16 04:52	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 10:34	1

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-131959-10

Date Collected: 11/08/16 14:00

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 12:25	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:25	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:25	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:25	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 12:25	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 12:25	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:25	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 12:25	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:25	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 12:25	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:25	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 12:25	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 12:25	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:25	1
cis-1,2-Dichloroethene	**65**		1.0	1.0	0.41	ug/L		11/21/16 12:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 12:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 12:25	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:25	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-02-13X
Date Collected: 11/08/16 14:00
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:25	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:25	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 12:25	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 12:25	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 12:25	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 12:25	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:25	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 12:25	1
1,2-Dichloroethene, Total	**66**		2.0	1.0	0.74	ug/L		11/21/16 12:25	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 12:25	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 12:25	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:25	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 12:25	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:25	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 12:25	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 12:25	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:25	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:25	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 12:25	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 12:25	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:25	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 12:25	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 12:25	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 12:25	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:25	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 12:25	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 12:25	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 12:25	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:25	1
trans-1,2-Dichloroethene	**0.59**	**J**	1.0	1.0	0.37	ug/L		11/21/16 12:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:25	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:25	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:25	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:25	1
Trichloroethene	**9.7**		1.0	1.0	0.48	ug/L		11/21/16 12:25	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:25	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 12:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 12:25	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 12:25	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 12:25	1
Vinyl chloride	**23**		1.0	1.0	0.50	ug/L		11/21/16 12:25	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 12:25	1

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-131959-10

Date Collected: 11/08/16 14:00

Matrix: Water

Date Received: 11/10/16 09:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*11/21/16 12:25*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/21/16 12:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/21/16 12:25*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 12:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/10/16 16:44	1
Ethylene	**7.8**		1.0	1.0	0.50	ug/L		11/10/16 16:44	1
Methane (TCD)	**1500**		390	77	39	ug/L		11/10/16 16:44	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**0.63**	**J M**	1.0	1.0	0.40	mg/L		11/19/16 00:29	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**7700**		50	50	17	ug/L		11/16/16 04:57	1
Manganese	**12000**		10	3.0	1.0	ug/L		11/16/16 04:57	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**110**		3.0	3.0	1.5	ug/L		11/17/16 10:37	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/11/16 16:33	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/10/16 14:35	1
Total Organic Carbon - Duplicates	**1.7**		1.0	0.50	0.16	mg/L		11/22/16 10:44	1
Alkalinity	**190**	**B**	5.0	3.2	1.1	mg/L		11/15/16 11:58	1

Client Sample ID: G6M-02-04X

Lab Sample ID: 680-131959-11

Date Collected: 11/08/16 15:15

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 12:46	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:46	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:46	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:46	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 12:46	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 12:46	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:46	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 12:46	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:46	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 12:46	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:46	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 12:46	1

Client Sample ID: G6M-02-04X
Date Collected: 11/08/16 15:15
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 12:46	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:46	1
cis-1,2-Dichloroethene	**1.2**		1.0	1.0	0.41	ug/L		11/21/16 12:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 12:46	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 12:46	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:46	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:46	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 12:46	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 12:46	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 12:46	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 12:46	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 12:46	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:46	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 12:46	1
1,2-Dichloroethene, Total	**1.6**	**J**	2.0	1.0	0.74	ug/L		11/21/16 12:46	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 12:46	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 12:46	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:46	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 12:46	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:46	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 12:46	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 12:46	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:46	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:46	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 12:46	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 12:46	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 12:46	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 12:46	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 12:46	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 12:46	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:46	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 12:46	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 12:46	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 12:46	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 12:46	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:46	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 12:46	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 12:46	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 12:46	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 12:46	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 12:46	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 12:46	1

Client Sample ID: G6M-02-04X

Lab Sample ID: 680-131959-11

Date Collected: 11/08/16 15:15
Matrix: Water
Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 12:46	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 12:46	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 12:46	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 12:46	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*11/21/16 12:46*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/21/16 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/21/16 12:46*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 12:46*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**21000**		50	50	17	ug/L		11/16/16 05:02	1
Manganese	**1100**		10	3.0	1.0	ug/L		11/16/16 05:02	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**470**		3.0	3.0	1.5	ug/L		11/17/16 10:41	1

Client Sample ID: G6M-97-28X

Lab Sample ID: 680-131959-12

Date Collected: 11/08/16 16:05
Matrix: Water
Date Received: 11/10/16 09:10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**2200**		50	50	17	ug/L		11/16/16 05:07	1
Manganese	**18000**		10	3.0	1.0	ug/L		11/16/16 05:07	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**27**		3.0	3.0	1.5	ug/L		11/17/16 10:55	1

Client Sample ID: G6M-02-03X

Lab Sample ID: 680-131959-13

Date Collected: 11/08/16 16:50
Matrix: Water
Date Received: 11/10/16 09:10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**29**	**J**	50	50	17	ug/L		11/16/16 05:13	1
Manganese	**99**		10	3.0	1.0	ug/L		11/16/16 05:13	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 10:58	1

Client Sample ID: G6M-04-22X — **Lab Sample ID: 680-131959-14**
Date Collected: 11/09/16 08:05 — **Matrix: Water**
Date Received: 11/10/16 09:10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	150000		50	50	17	ug/L		11/16/16 05:18	1
Manganese	960		10	3.0	1.0	ug/L		11/16/16 05:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	650		3.0	3.0	1.5	ug/L		11/17/16 11:02	1

Client Sample ID: G6M-04-01X — **Lab Sample ID: 680-131959-15**
Date Collected: 11/09/16 09:20 — **Matrix: Water**
Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 13:06	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:06	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:06	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:06	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 13:06	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 13:06	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:06	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 13:06	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:06	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 13:06	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:06	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 13:06	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 13:06	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:06	1
cis-1,2-Dichloroethene	0.84	J	1.0	1.0	0.41	ug/L		11/21/16 13:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 13:06	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 13:06	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:06	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:06	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:06	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 13:06	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 13:06	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 13:06	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 13:06	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:06	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 13:06	1
1,2-Dichloroethene, Total	0.84	J	2.0	1.0	0.74	ug/L		11/21/16 13:06	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 13:06	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 13:06	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:06	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 13:06	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:06	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 13:06	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 13:06	1

Client Sample ID: G6M-04-01X
Date Collected: 11/09/16 09:20
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:06	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:06	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 13:06	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 13:06	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:06	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 13:06	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 13:06	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 13:06	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:06	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 13:06	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 13:06	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 13:06	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:06	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:06	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:06	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:06	1
Trichloroethene	**0.68**	**J**	1.0	1.0	0.48	ug/L		11/21/16 13:06	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:06	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 13:06	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 13:06	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 13:06	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 13:06	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:06	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*11/21/16 13:06*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 13:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/21/16 13:06*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*11/21/16 13:06*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**95000**		50	50	17	ug/L		11/16/16 02:26	1
Manganese	**19000**		10	3.0	1.0	ug/L		11/16/16 02:26	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**320**		3.0	3.0	1.5	ug/L		11/17/16 01:13	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-02-01X
Date Collected: 11/09/16 10:10
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 13:27	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:27	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:27	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:27	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 13:27	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 13:27	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:27	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 13:27	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:27	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 13:27	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:27	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 13:27	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 13:27	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:27	1
cis-1,2-Dichloroethene	**0.69**	**J**	1.0	1.0	0.41	ug/L		11/21/16 13:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 13:27	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 13:27	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:27	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:27	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:27	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 13:27	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 13:27	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 13:27	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 13:27	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:27	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 13:27	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 13:27	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 13:27	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 13:27	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:27	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 13:27	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:27	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 13:27	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 13:27	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:27	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:27	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 13:27	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 13:27	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:27	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 13:27	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 13:27	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 13:27	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:27	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 13:27	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-02-01X
Date Collected: 11/09/16 10:10
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:27	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 13:27	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 13:27	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:27	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:27	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:27	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:27	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:27	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:27	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 13:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 13:27	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 13:27	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 13:27	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:27	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/21/16 13:27*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/21/16 13:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*81 - 118*		*11/21/16 13:27*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*11/21/16 13:27*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/10/16 16:57	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/10/16 16:57	1
Methane (TCD)	**18000**		390	77	39	ug/L		11/10/16 16:57	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/19/16 00:47	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**62000**		50	50	17	ug/L		11/16/16 02:10	1
Manganese	**2100**		10	3.0	1.0	ug/L		11/16/16 02:10	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**430**		3.0	3.0	1.5	ug/L		11/17/16 01:02	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 20:50	1
Sulfide	**1.8**		1.0	1.0	1.0	mg/L		11/10/16 14:35	1
Total Organic Carbon - Duplicates	**3.1**		1.0	0.50	0.16	mg/L		11/22/16 10:59	1
Alkalinity	**140**	**B**	5.0	3.2	1.1	mg/L		11/15/16 12:09	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-04-09X
Date Collected: 11/09/16 12:00
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-17
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 13:48	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:48	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:48	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:48	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 13:48	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 13:48	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:48	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 13:48	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:48	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 13:48	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:48	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 13:48	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 13:48	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:48	1
cis-1,2-Dichloroethene	**0.67**	**J**	1.0	1.0	0.41	ug/L		11/21/16 13:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 13:48	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 13:48	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:48	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:48	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 13:48	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 13:48	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 13:48	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 13:48	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 13:48	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 13:48	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 13:48	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 13:48	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 13:48	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 13:48	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:48	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 13:48	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:48	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 13:48	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 13:48	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:48	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:48	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 13:48	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 13:48	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 13:48	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 13:48	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 13:48	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 13:48	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:48	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 13:48	1

Client Sample ID: G6M-04-09X

Lab Sample ID: 680-131959-17

Date Collected: 11/09/16 12:00

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 13:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 13:48	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 13:48	1
Toluene	**0.56**	**J**	1.0	1.0	0.48	ug/L		11/21/16 13:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:48	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 13:48	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 13:48	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 13:48	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 13:48	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 13:48	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 13:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 13:48	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 13:48	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 13:48	1
Vinyl chloride	**0.56**	**J**	1.0	1.0	0.50	ug/L		11/21/16 13:48	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*11/21/16 13:48*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 13:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/21/16 13:48*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 13:48*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**160000**		50	50	17	ug/L		11/16/16 02:15	1
Manganese	**2600**		10	3.0	1.0	ug/L		11/16/16 02:15	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**430**		3.0	3.0	1.5	ug/L		11/17/16 01:06	1

Client Sample ID: G6M-04-10X

Lab Sample ID: 680-131959-18

Date Collected: 11/09/16 13:05

Matrix: Water

Date Received: 11/10/16 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 14:08	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 14:08	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 14:08	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 14:08	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 14:08	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 14:08	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 14:08	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 14:08	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-04-10X
Date Collected: 11/09/16 13:05
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 14:08	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 14:08	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 14:08	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 14:08	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 14:08	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 14:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 14:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 14:08	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 14:08	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 14:08	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 14:08	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 14:08	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 14:08	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 14:08	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 14:08	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 14:08	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 14:08	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 14:08	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 14:08	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 14:08	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 14:08	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 14:08	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 14:08	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 14:08	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 14:08	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 14:08	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 14:08	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 14:08	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 14:08	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 14:08	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 14:08	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 14:08	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 14:08	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 14:08	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 14:08	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 14:08	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 14:08	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 14:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 14:08	1
Tetrachloroethene	**2.1**		1.0	1.0	0.74	ug/L		11/21/16 14:08	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 14:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 14:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 14:08	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 14:08	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-04-10X
Date Collected: 11/09/16 13:05
Date Received: 11/10/16 09:10

Lab Sample ID: 680-131959-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 14:08	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 14:08	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 14:08	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 14:08	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 14:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 14:08	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 14:08	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 14:08	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 14:08	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*11/21/16 14:08*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/21/16 14:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/21/16 14:08*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/21/16 14:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/10/16 17:09	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/10/16 17:09	1
Methane	**170**		0.58	0.58	0.29	ug/L		11/10/16 17:09	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**32**	**M**	1.0	1.0	0.40	mg/L		11/19/16 06:17	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**36**	**J**	50	50	17	ug/L		11/16/16 02:21	1
Manganese	**420**		10	3.0	1.0	ug/L		11/16/16 02:21	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 01:10	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	**0.58**		0.10	0.050	0.019	mg/L		11/15/16 20:52	1
Sulfide	**2.2**		1.0	1.0	1.0	mg/L		11/10/16 14:35	1
Total Organic Carbon - Duplicates	**0.72**	**J**	1.0	0.50	0.16	mg/L		11/22/16 11:14	1
Alkalinity	**10**		5.0	3.2	1.1	mg/L		11/17/16 10:48	1

Surrogate Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(85-114)	(80-119)	(81-118)	(89-112)
680-131959-1	G6M-96-22B	108	97	98	105
680-131959-2	G6M-96-22A	106	98	100	103
680-131959-3	G6M-95-20X	107	97	98	99
680-131959-4	G6M-95-19X	106	100	101	104
680-131959-5	G6M-04-04X	104	98	99	106
680-131959-5 MS	G6M-04-04X	95	88	97	92
680-131959-5 MSD	G6M-04-04X	97	101	99	107
680-131959-6	G6M-13-06X	104	98	97	103
680-131959-6 MS	G6M-13-06X	98	99	94	106
680-131959-6 MSD	G6M-13-06X	97	98	95	107
680-131959-7	G6M-73-13X	106	98	98	108
680-131959-8	Trip Blank	109	95	93	103
680-131959-9	G6M-13-02X	107	99	100	103
680-131959-10	G6M-02-13X	108	97	99	103
680-131959-11	G6M-02-04X	108	97	98	103
680-131959-15	G6M-04-01X	104	98	99	104
680-131959-16	G6M-02-01X	109	96	95	101
680-131959-17	G6M-04-09X	107	98	98	103
680-131959-18	G6M-04-10X	107	98	99	103
LCS 680-458558/4	Lab Control Sample	98	103	101	100
LCSD 680-458558/5	Lab Control Sample Dup	100	100	105	101
MB 680-458558/9	Method Blank	109	99	98	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-458558/9
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/21/16 09:01	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:01	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:01	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:01	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/21/16 09:01	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/21/16 09:01	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:01	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/21/16 09:01	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:01	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/21/16 09:01	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:01	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 09:01	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 09:01	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/21/16 09:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/21/16 09:01	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/21/16 09:01	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:01	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:01	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/21/16 09:01	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/21/16 09:01	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 09:01	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/21/16 09:01	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 09:01	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:01	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/21/16 09:01	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/21/16 09:01	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/21/16 09:01	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 09:01	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:01	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/21/16 09:01	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:01	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/21/16 09:01	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/21/16 09:01	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:01	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:01	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/21/16 09:01	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/21/16 09:01	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/21/16 09:01	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 09:01	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/21/16 09:01	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/21/16 09:01	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:01	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-458558/9
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/21/16 09:01	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/21/16 09:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/21/16 09:01	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/21/16 09:01	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:01	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/21/16 09:01	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/21/16 09:01	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/21/16 09:01	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/21/16 09:01	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/21/16 09:01	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/21/16 09:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/21/16 09:01	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/21/16 09:01	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/21/16 09:01	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/21/16 09:01	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/21/16 09:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/21/16 09:01*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/21/16 09:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/21/16 09:01*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*11/21/16 09:01*	*1*

Lab Sample ID: LCS 680-458558/4
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	218		ug/L		87	39 - 160
Benzene	50.0	50.2		ug/L		100	79 - 120
Bromobenzene	50.0	55.5		ug/L		111	80 - 120
Bromoform	50.0	53.1		ug/L		106	66 - 130
Bromomethane	50.0	51.3		ug/L		103	53 - 141
2-Butanone (MEK)	250	258		ug/L		103	56 - 143
Carbon disulfide	50.0	44.8		ug/L		90	64 - 133
Carbon tetrachloride	50.0	52.9		ug/L		106	72 - 136
Chlorobenzene	50.0	50.7		ug/L		101	82 - 118
Chlorobromomethane	50.0	51.3		ug/L		103	78 - 123
Chlorodibromomethane	50.0	50.0		ug/L		100	74 - 126
Chloroethane	50.0	47.3		ug/L		95	60 - 138
Chloroform	50.0	49.9		ug/L		100	79 - 124
Chloromethane	50.0	53.7		ug/L		107	50 - 139
2-Chlorotoluene	50.0	57.1		ug/L		114	79 - 122
4-Chlorotoluene	50.0	57.0		ug/L		114	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-458558/4
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	78 - 123
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	48.8		ug/L		98	62 - 128
Dibromomethane	50.0	49.8		ug/L		100	79 - 123
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	80 - 119
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	80 - 119
1,4-Dichlorobenzene	50.0	47.1		ug/L		94	79 - 118
Dichlorobromomethane	50.0	50.2		ug/L		100	79 - 125
Dichlorodifluoromethane	50.0	53.3		ug/L		107	32 - 152
1,1-Dichloroethane	50.0	49.7		ug/L		99	77 - 125
1,2-Dichloroethane	50.0	50.6		ug/L		101	73 - 128
1,1-Dichloroethene	50.0	47.0		ug/L		94	71 - 131
1,2-Dichloroethene, Total	100	95.6		ug/L		96	79 - 121
1,2-Dichloropropane	50.0	47.5		ug/L		95	78 - 122
1,3-Dichloropropane	50.0	47.4		ug/L		95	80 - 119
2,2-Dichloropropane	50.0	54.6		ug/L		109	60 - 139
1,1-Dichloropropene	50.0	51.4		ug/L		103	79 - 125
Ethylbenzene	50.0	51.9		ug/L		104	79 - 121
Ethylene Dibromide	50.0	46.3		ug/L		93	75 - 127
Hexachlorobutadiene	50.0	57.0		ug/L		114	66 - 134
2-Hexanone	250	265		ug/L		106	57 - 139
Isopropylbenzene	50.0	53.1		ug/L		106	72 - 131
4-Isopropyltoluene	50.0	49.1		ug/L		98	77 - 127
Methylene Chloride	50.0	46.7		ug/L		93	74 - 124
4-Methyl-2-pentanone (MIBK)	250	256		ug/L		102	67 - 130
Methyl tert-butyl ether	50.0	50.0		ug/L		100	71 - 124
m-Xylene & p-Xylene	50.0	52.3		ug/L		105	80 - 121
Naphthalene	50.0	54.9		ug/L		110	61 - 128
n-Butylbenzene	50.0	47.2		ug/L		94	75 - 128
N-Propylbenzene	50.0	60.6		ug/L		121	76 - 126
o-Xylene	50.0	51.6		ug/L		103	78 - 122
sec-Butylbenzene	50.0	53.0		ug/L		106	77 - 126
Styrene	50.0	54.6		ug/L		109	78 - 123
tert-Butylbenzene	50.0	60.0		ug/L		120	78 - 124
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/L		104	78 - 124
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	71 - 121
Tetrachloroethene	50.0	46.9		ug/L		94	74 - 129
Toluene	50.0	48.0		ug/L		96	80 - 121
trans-1,2-Dichloroethene	50.0	46.3		ug/L		93	75 - 124
trans-1,3-Dichloropropene	50.0	49.8		ug/L		100	73 - 127
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	69 - 129
1,2,4-Trichlorobenzene	50.0	53.9		ug/L		108	69 - 130
1,1,1-Trichloroethane	50.0	52.6		ug/L		105	74 - 131
1,1,2-Trichloroethane	50.0	47.3		ug/L		95	80 - 119
Trichloroethene	50.0	45.4		ug/L		91	79 - 123
Trichlorofluoromethane	50.0	48.0		ug/L		96	65 - 141
1,2,3-Trichloropropane	50.0	56.3		ug/L		113	73 - 122
1,2,4-Trimethylbenzene	50.0	59.3		ug/L		119	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-458558/4
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	60.7		ug/L		121	75 - 124
Vinyl acetate	100	110		ug/L		110	54 - 146
Vinyl chloride	50.0	53.0		ug/L		106	58 - 137
Xylenes, Total	100	104		ug/L		104	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*
Dibromofluoromethane (Surr)	*103*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*
Toluene-d8 (Surr)	*100*		*89 - 112*

Lab Sample ID: LCSD 680-458558/5
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	222		ug/L		89	39 - 160	2	20
Benzene	50.0	52.6		ug/L		105	79 - 120	5	20
Bromobenzene	50.0	52.1		ug/L		104	80 - 120	6	20
Bromoform	50.0	55.5		ug/L		111	66 - 130	4	20
Bromomethane	50.0	52.5		ug/L		105	53 - 141	2	20
2-Butanone (MEK)	250	254		ug/L		102	56 - 143	1	20
Carbon disulfide	50.0	46.3		ug/L		93	64 - 133	3	20
Carbon tetrachloride	50.0	51.0		ug/L		102	72 - 136	3	20
Chlorobenzene	50.0	49.1		ug/L		98	82 - 118	3	20
Chlorobromomethane	50.0	49.3		ug/L		99	78 - 123	4	20
Chlorodibromomethane	50.0	50.5		ug/L		101	74 - 126	1	20
Chloroethane	50.0	47.4		ug/L		95	60 - 138	0	20
Chloroform	50.0	49.9		ug/L		100	79 - 124	0	20
Chloromethane	50.0	52.3		ug/L		105	50 - 139	3	20
2-Chlorotoluene	50.0	53.2		ug/L		106	79 - 122	7	20
4-Chlorotoluene	50.0	53.6		ug/L		107	78 - 122	6	20
cis-1,2-Dichloroethene	50.0	48.9		ug/L		98	78 - 123	1	20
cis-1,3-Dichloropropene	50.0	49.7		ug/L		99	75 - 124	5	20
1,2-Dibromo-3-Chloropropane	50.0	51.9		ug/L		104	62 - 128	6	20
Dibromomethane	50.0	48.2		ug/L		96	79 - 123	3	20
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 119	1	20
1,3-Dichlorobenzene	50.0	50.8		ug/L		102	80 - 119	3	20
1,4-Dichlorobenzene	50.0	47.8		ug/L		96	79 - 118	1	20
Dichlorobromomethane	50.0	48.5		ug/L		97	79 - 125	4	20
Dichlorodifluoromethane	50.0	50.1		ug/L		100	32 - 152	6	20
1,1-Dichloroethane	50.0	50.2		ug/L		100	77 - 125	1	20
1,2-Dichloroethane	50.0	51.1		ug/L		102	73 - 128	1	20
1,1-Dichloroethene	50.0	47.8		ug/L		96	71 - 131	2	20
1,2-Dichloroethene, Total	100	94.6		ug/L		95	79 - 121	1	20
1,2-Dichloropropane	50.0	48.5		ug/L		97	78 - 122	2	20
1,3-Dichloropropane	50.0	48.8		ug/L		98	80 - 119	3	20
2,2-Dichloropropane	50.0	54.3		ug/L		109	60 - 139	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-458558/5
Matrix: Water
Analysis Batch: 458558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	49.9		ug/L		100	79 - 125	3	20
Ethylbenzene			50.0	51.2		ug/L		102	79 - 121	1	20
Ethylene Dibromide			50.0	47.5		ug/L		95	75 - 127	3	20
Hexachlorobutadiene			50.0	64.5		ug/L		129	66 - 134	12	20
2-Hexanone			250	272		ug/L		109	57 - 139	2	20
Isopropylbenzene			50.0	55.0		ug/L		110	72 - 131	3	20
4-Isopropyltoluene			50.0	50.7		ug/L		101	77 - 127	3	20
Methylene Chloride			50.0	47.1		ug/L		94	74 - 124	1	20
4-Methyl-2-pentanone (MIBK)			250	252		ug/L		101	67 - 130	2	20
Methyl tert-butyl ether			50.0	49.2		ug/L		98	71 - 124	2	20
m-Xylene & p-Xylene			50.0	53.0		ug/L		106	80 - 121	1	20
Naphthalene			50.0	60.3		ug/L		121	61 - 128	9	20
n-Butylbenzene			50.0	47.6		ug/L		95	75 - 128	1	20
N-Propylbenzene			50.0	56.8		ug/L		114	76 - 126	7	20
o-Xylene			50.0	55.2		ug/L		110	78 - 122	7	20
sec-Butylbenzene			50.0	50.4		ug/L		101	77 - 126	5	20
Styrene			50.0	58.1		ug/L		116	78 - 123	6	20
tert-Butylbenzene			50.0	56.1		ug/L		112	78 - 124	7	20
1,1,1,2-Tetrachloroethane			50.0	52.3		ug/L		105	78 - 124	0	20
1,1,2,2-Tetrachloroethane			50.0	47.1		ug/L		94	71 - 121	0	20
Tetrachloroethene			50.0	48.8		ug/L		98	74 - 129	4	20
Toluene			50.0	50.9		ug/L		102	80 - 121	6	20
trans-1,2-Dichloroethene			50.0	45.7		ug/L		91	75 - 124	1	20
trans-1,3-Dichloropropene			50.0	50.6		ug/L		101	73 - 127	2	20
1,2,3-Trichlorobenzene			50.0	60.2		ug/L		120	69 - 129	10	20
1,2,4-Trichlorobenzene			50.0	56.3		ug/L		113	69 - 130	4	20
1,1,1-Trichloroethane			50.0	51.6		ug/L		103	74 - 131	2	20
1,1,2-Trichloroethane			50.0	47.7		ug/L		95	80 - 119	1	20
Trichloroethene			50.0	45.9		ug/L		92	79 - 123	1	20
Trichlorofluoromethane			50.0	49.5		ug/L		99	65 - 141	3	20
1,2,3-Trichloropropane			50.0	53.3		ug/L		107	73 - 122	6	20
1,2,4-Trimethylbenzene			50.0	55.5		ug/L		111	76 - 124	7	20
1,3,5-Trimethylbenzene			50.0	56.7		ug/L		113	75 - 124	7	20
Vinyl acetate			100	110		ug/L		110	54 - 146	0	20
Vinyl chloride			50.0	52.4		ug/L		105	58 - 137	1	20
Xylenes, Total			100	108		ug/L		108	79 - 121	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*85 - 114*
Dibromofluoromethane (Surr)	*100*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*105*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	250	184		ug/L		74	39 - 160
Benzene	1.0	U	50.0	50.2		ug/L		100	79 - 120
Bromobenzene	1.0	U	50.0	49.0		ug/L		98	80 - 120
Bromoform	1.0	U	50.0	51.7		ug/L		103	66 - 130
Bromomethane	5.0	U	50.0	46.4		ug/L		93	53 - 141
2-Butanone (MEK)	10	U	250	209		ug/L		84	56 - 143
Carbon disulfide	2.0	U	50.0	45.2		ug/L		90	64 - 133
Carbon tetrachloride	0.50	U	50.0	54.0		ug/L		108	72 - 136
Chlorobenzene	0.50	U	50.0	48.2		ug/L		96	82 - 118
Chlorobromomethane	1.0	U	50.0	42.9		ug/L		86	78 - 123
Chlorodibromomethane	0.50	U	50.0	48.3		ug/L		97	74 - 126
Chloroethane	5.0	U	50.0	47.1		ug/L		94	60 - 138
Chloroform	1.0	U	50.0	43.5		ug/L		87	79 - 124
Chloromethane	1.0	U	50.0	51.8		ug/L		104	50 - 139
2-Chlorotoluene	0.50	U	50.0	52.5		ug/L		105	79 - 122
4-Chlorotoluene	1.0	U	50.0	52.0		ug/L		104	78 - 122
cis-1,2-Dichloroethene	0.43	J	50.0	42.7		ug/L		85	78 - 123
cis-1,3-Dichloropropene	1.0	U	50.0	41.1		ug/L		82	75 - 124
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	42.9		ug/L		86	62 - 128
Dibromomethane	1.0	U	50.0	40.7		ug/L		81	79 - 123
1,2-Dichlorobenzene	1.0	U	50.0	45.3		ug/L		91	80 - 119
1,3-Dichlorobenzene	1.0	U	50.0	47.5		ug/L		95	80 - 119
1,4-Dichlorobenzene	1.0	U	50.0	44.5		ug/L		89	79 - 118
Dichlorobromomethane	1.0	U	50.0	42.6		ug/L		85	79 - 125
Dichlorodifluoromethane	1.0	U	50.0	54.3		ug/L		109	32 - 152
1,1-Dichloroethane	1.0	U	50.0	45.8		ug/L		92	77 - 125
1,2-Dichloroethane	1.0	U	50.0	48.4		ug/L		97	73 - 128
1,1-Dichloroethene	1.0	U	50.0	49.6		ug/L		99	71 - 131
1,2-Dichloroethene, Total	1.6	J	100	89.5		ug/L		88	79 - 121
1,2-Dichloropropane	1.0	U	50.0	41.7		ug/L		83	78 - 122
1,3-Dichloropropane	1.0	U	50.0	42.0		ug/L		84	80 - 119
2,2-Dichloropropane	1.0	U	50.0	48.6		ug/L		97	60 - 139
1,1-Dichloropropene	1.0	U	50.0	52.0		ug/L		104	79 - 125
Ethylbenzene	0.50	U	50.0	51.7		ug/L		103	79 - 121
Ethylene Dibromide	1.0	U	50.0	44.6		ug/L		89	75 - 127
Hexachlorobutadiene	5.0	U J	50.0	45.8		ug/L		92	66 - 134
2-Hexanone	5.0	U	250	242		ug/L		97	57 - 139
Isopropylbenzene	1.0	U	50.0	53.4		ug/L		107	72 - 131
4-Isopropyltoluene	1.0	U	50.0	48.0		ug/L		96	77 - 127
Methylene Chloride	5.0	U	50.0	45.0		ug/L		90	74 - 124
4-Methyl-2-pentanone (MIBK)	5.0	U	250	211		ug/L		84	67 - 130
Methyl tert-butyl ether	0.50	U	50.0	45.2		ug/L		90	71 - 124
m-Xylene & p-Xylene	1.0	U	50.0	51.6		ug/L		103	80 - 121
Naphthalene	5.0	U J	50.0	37.1		ug/L		74	61 - 128
n-Butylbenzene	1.0	U	50.0	44.3		ug/L		89	75 - 128
N-Propylbenzene	1.0	U	50.0	55.8		ug/L		112	76 - 126
o-Xylene	0.50	U	50.0	51.6		ug/L		103	78 - 122
sec-Butylbenzene	1.0	U	50.0	48.9		ug/L		98	77 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.50	U	50.0	54.2		ug/L		108	78 - 123
tert-Butylbenzene	1.0	U	50.0	54.8		ug/L		110	78 - 124
1,1,1,2-Tetrachloroethane	1.0	U	50.0	51.2		ug/L		102	78 - 124
1,1,2,2-Tetrachloroethane	1.0	U	50.0	44.3		ug/L		89	71 - 121
Tetrachloroethene	1.0	U M	50.0	44.3		ug/L		89	74 - 129
Toluene	1.0	U	50.0	43.6		ug/L		87	80 - 121
trans-1,2-Dichloroethene	1.2		50.0	46.8		ug/L		91	75 - 124
trans-1,3-Dichloropropene	1.0	U	50.0	41.0		ug/L		82	73 - 127
1,2,3-Trichlorobenzene	5.0	U J	50.0	39.7		ug/L		79	69 - 129
1,2,4-Trichlorobenzene	5.0	U J	50.0	42.5		ug/L		85	69 - 130
1,1,1-Trichloroethane	1.0	U	50.0	48.1		ug/L		96	74 - 131
1,1,2-Trichloroethane	0.50	U	50.0	40.4		ug/L		81	80 - 119
Trichloroethene	1.0	U	50.0	45.4		ug/L		91	79 - 123
Trichlorofluoromethane	1.0	U	50.0	50.4		ug/L		101	65 - 141
1,2,3-Trichloropropane	1.0	U	50.0	49.7		ug/L		99	73 - 122
1,2,4-Trimethylbenzene	1.0	U	50.0	53.7		ug/L		107	76 - 124
1,3,5-Trimethylbenzene	0.50	U	50.0	55.2		ug/L		110	75 - 124
Vinyl acetate	2.0	U	100	93.5		ug/L		93	54 - 146
Vinyl chloride	0.57	J	50.0	55.2		ug/L		109	58 - 137
Xylenes, Total	0.50	U	100	103		ug/L		103	79 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*85 - 114*
Dibromofluoromethane (Surr)	*88*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*
Toluene-d8 (Surr)	*92*		*89 - 112*

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	250	191		ug/L		77	39 - 160	4	20
Benzene	1.0	U	50.0	51.6		ug/L		103	79 - 120	3	20
Bromobenzene	1.0	U	50.0	51.3		ug/L		103	80 - 120	4	20
Bromoform	1.0	U	50.0	53.2		ug/L		106	66 - 130	3	20
Bromomethane	5.0	U	50.0	50.1		ug/L		100	53 - 141	8	20
2-Butanone (MEK)	10	U	250	238		ug/L		95	56 - 143	13	20
Carbon disulfide	2.0	U	50.0	48.1		ug/L		96	64 - 133	6	20
Carbon tetrachloride	0.50	U	50.0	56.4		ug/L		113	72 - 136	4	20
Chlorobenzene	0.50	U	50.0	49.9		ug/L		100	82 - 118	4	20
Chlorobromomethane	1.0	U	50.0	48.4		ug/L		97	78 - 123	12	20
Chlorodibromomethane	0.50	U	50.0	47.8		ug/L		96	74 - 126	1	20
Chloroethane	5.0	U	50.0	47.4		ug/L		95	60 - 138	1	20
Chloroform	1.0	U	50.0	50.3		ug/L		101	79 - 124	14	20
Chloromethane	1.0	U	50.0	52.7		ug/L		105	50 - 139	2	20
2-Chlorotoluene	0.50	U	50.0	54.5		ug/L		109	79 - 122	4	20
4-Chlorotoluene	1.0	U	50.0	53.5		ug/L		107	78 - 122	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.43	J	50.0	49.7		ug/L		99	78 - 123	15	20
cis-1,3-Dichloropropene	1.0	U	50.0	48.5		ug/L		97	75 - 124	17	20
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	51.1		ug/L		102	62 - 128	17	20
Dibromomethane	1.0	U	50.0	48.2		ug/L		96	79 - 123	17	20
1,2-Dichlorobenzene	1.0	U	50.0	49.5		ug/L		99	80 - 119	9	20
1,3-Dichlorobenzene	1.0	U	50.0	49.7		ug/L		99	80 - 119	4	20
1,4-Dichlorobenzene	1.0	U	50.0	47.4		ug/L		95	79 - 118	6	20
Dichlorobromomethane	1.0	U	50.0	49.7		ug/L		99	79 - 125	15	20
Dichlorodifluoromethane	1.0	U	50.0	47.8		ug/L		96	32 - 152	13	20
1,1-Dichloroethane	1.0	U	50.0	49.9		ug/L		100	77 - 125	9	20
1,2-Dichloroethane	1.0	U	50.0	49.7		ug/L		99	73 - 128	3	20
1,1-Dichloroethene	1.0	U	50.0	49.8		ug/L		100	71 - 131	0	20
1,2-Dichloroethene, Total	1.6	J	100	98.4		ug/L		97	79 - 121	9	20
1,2-Dichloropropane	1.0	U	50.0	48.7		ug/L		97	78 - 122	16	20
1,3-Dichloropropane	1.0	U	50.0	46.0		ug/L		92	80 - 119	9	20
2,2-Dichloropropane	1.0	U	50.0	55.7		ug/L		111	60 - 139	14	20
1,1-Dichloropropene	1.0	U	50.0	54.8		ug/L		110	79 - 125	5	20
Ethylbenzene	0.50	U	50.0	53.9		ug/L		108	79 - 121	4	20
Ethylene Dibromide	1.0	U	50.0	45.3		ug/L		91	75 - 127	2	20
Hexachlorobutadiene	5.0	U J	50.0	60.1	J	ug/L		120	66 - 134	27	20
2-Hexanone	5.0	U	250	258		ug/L		103	57 - 139	6	20
Isopropylbenzene	1.0	U	50.0	55.8		ug/L		112	72 - 131	5	20
4-Isopropyltoluene	1.0	U	50.0	50.4		ug/L		101	77 - 127	5	20
Methylene Chloride	5.0	U	50.0	46.5		ug/L		93	74 - 124	3	20
4-Methyl-2-pentanone (MIBK)	5.0	U	250	249		ug/L		100	67 - 130	17	20
Methyl tert-butyl ether	0.50	U	50.0	47.1		ug/L		94	71 - 124	4	20
m-Xylene & p-Xylene	1.0	U	50.0	53.9		ug/L		108	80 - 121	4	20
Naphthalene	5.0	U J	50.0	54.2	J	ug/L		108	61 - 128	37	20
n-Butylbenzene	1.0	U	50.0	49.6		ug/L		99	75 - 128	11	20
N-Propylbenzene	1.0	U	50.0	58.0		ug/L		116	76 - 126	4	20
o-Xylene	0.50	U	50.0	54.3		ug/L		109	78 - 122	5	20
sec-Butylbenzene	1.0	U	50.0	51.5		ug/L		103	77 - 126	5	20
Styrene	0.50	U	50.0	56.6		ug/L		113	78 - 123	4	20
tert-Butylbenzene	1.0	U	50.0	57.6		ug/L		115	78 - 124	5	20
1,1,1,2-Tetrachloroethane	1.0	U	50.0	52.7		ug/L		105	78 - 124	3	20
1,1,2,2-Tetrachloroethane	1.0	U	50.0	46.3		ug/L		93	71 - 121	5	20
Tetrachloroethene	1.0	U M	50.0	49.2		ug/L		98	74 - 129	10	20
Toluene	1.0	U	50.0	49.4		ug/L		99	80 - 121	13	20
trans-1,2-Dichloroethene	1.2		50.0	48.6		ug/L		95	75 - 124	4	20
trans-1,3-Dichloropropene	1.0	U	50.0	47.7		ug/L		95	73 - 127	15	20
1,2,3-Trichlorobenzene	5.0	U J	50.0	56.3	J	ug/L		113	69 - 129	35	20
1,2,4-Trichlorobenzene	5.0	U J	50.0	54.2	J	ug/L		108	69 - 130	24	20
1,1,1-Trichloroethane	1.0	U	50.0	55.8		ug/L		112	74 - 131	15	20
1,1,2-Trichloroethane	0.50	U	50.0	46.5		ug/L		93	80 - 119	14	20
Trichloroethene	1.0	U	50.0	48.2		ug/L		96	79 - 123	6	20
Trichlorofluoromethane	1.0	U	50.0	50.2		ug/L		100	65 - 141	1	20
1,2,3-Trichloropropane	1.0	U	50.0	52.4		ug/L		105	73 - 122	5	20
1,2,4-Trimethylbenzene	1.0	U	50.0	56.6		ug/L		113	76 - 124	5	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	0.50	U	50.0	57.7		ug/L		115	75 - 124	4	20
Vinyl acetate	2.0	U	100	103		ug/L		103	54 - 146	9	20
Vinyl chloride	0.57	J	50.0	56.2		ug/L		111	58 - 137	2	20
Xylenes, Total	0.50	U	100	108		ug/L		108	79 - 121	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*
Dibromofluoromethane (Surr)	*101*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*
Toluene-d8 (Surr)	*107*		*89 - 112*

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	18		250	214		ug/L		78	39 - 160
Benzene	1.0	U	50.0	49.6		ug/L		99	79 - 120
Bromobenzene	1.0	U	50.0	58.6		ug/L		117	80 - 120
Bromoform	1.0	U	50.0	60.8		ug/L		122	66 - 130
Bromomethane	5.0	U	50.0	49.4		ug/L		99	53 - 141
2-Butanone (MEK)	82	J	250	339		ug/L		103	56 - 143
Carbon disulfide	2.0	U	50.0	49.1		ug/L		98	64 - 133
Carbon tetrachloride	0.50	U	50.0	56.2		ug/L		112	72 - 136
Chlorobenzene	0.50	U	50.0	49.7		ug/L		99	82 - 118
Chlorobromomethane	1.0	U	50.0	47.2		ug/L		94	78 - 123
Chlorodibromomethane	0.50	U	50.0	42.3		ug/L		85	74 - 126
Chloroethane	5.0	U	50.0	48.3		ug/L		97	60 - 138
Chloroform	1.0	U	50.0	49.1		ug/L		98	79 - 124
Chloromethane	1.0	U	50.0	52.0		ug/L		104	50 - 139
2-Chlorotoluene	0.50	U J	50.0	62.7	J	ug/L		125	79 - 122
4-Chlorotoluene	1.0	U J	50.0	61.5	J	ug/L		123	78 - 122
cis-1,2-Dichloroethene	9.8		50.0	57.1		ug/L		95	78 - 123
cis-1,3-Dichloropropene	1.0	U	50.0	41.8		ug/L		84	75 - 124
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	48.9		ug/L		98	62 - 128
Dibromomethane	1.0	U	50.0	44.4		ug/L		89	79 - 123
1,2-Dichlorobenzene	1.0	U	50.0	48.3		ug/L		97	80 - 119
1,3-Dichlorobenzene	1.0	U	50.0	49.6		ug/L		99	80 - 119
1,4-Dichlorobenzene	1.0	U	50.0	46.9		ug/L		94	79 - 118
Dichlorobromomethane	1.0	U	50.0	44.8		ug/L		90	79 - 125
Dichlorodifluoromethane	1.0	U	50.0	53.2		ug/L		106	32 - 152
1,1-Dichloroethane	1.0	U	50.0	42.6		ug/L		85	77 - 125
1,2-Dichloroethane	1.0	U	50.0	47.6		ug/L		95	73 - 128
1,1-Dichloroethene	1.0	U	50.0	49.9		ug/L		100	71 - 131
1,2-Dichloroethene, Total	10		100	100		ug/L		90	79 - 121
1,2-Dichloropropane	1.0	U	50.0	48.2		ug/L		96	78 - 122
1,3-Dichloropropane	1.0	U J	50.0	39.5	J	ug/L		79	80 - 119
2,2-Dichloropropane	1.0	U	50.0	53.6		ug/L		107	60 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	1.0	U	50.0	53.8		ug/L		108	79 - 125
Ethylbenzene	18		50.0	73.4		ug/L		110	79 - 121
Ethylene Dibromide	1.0	U	50.0	39.5		ug/L		79	75 - 127
Hexachlorobutadiene	5.0	U	50.0	58.9		ug/L		118	66 - 134
2-Hexanone	5.0	U	250	232		ug/L		93	57 - 139
Isopropylbenzene	1.0	U	50.0	63.9		ug/L		128	72 - 131
4-Isopropyltoluene	1.0	U	50.0	51.0		ug/L		102	77 - 127
Methylene Chloride	5.0	U	50.0	44.0		ug/L		88	74 - 124
4-Methyl-2-pentanone (MIBK)	5.0	U	250	224		ug/L		90	67 - 130
Methyl tert-butyl ether	0.50	U	50.0	42.9		ug/L		86	71 - 124
m-Xylene & p-Xylene	0.46	J	50.0	57.9		ug/L		115	80 - 121
Naphthalene	5.0	U	50.0	54.9		ug/L		110	61 - 128
n-Butylbenzene	1.0	U	50.0	50.3		ug/L		101	75 - 128
N-Propylbenzene	1.0	U J	50.0	67.7	J	ug/L		135	76 - 126
o-Xylene	0.50	U J	50.0	62.0	J	ug/L		124	78 - 122
sec-Butylbenzene	1.0	U	50.0	59.5		ug/L		119	77 - 126
Styrene	0.50	U J	50.0	64.9	J	ug/L		130	78 - 123
tert-Butylbenzene	1.0	U J	50.0	66.4	J	ug/L		133	78 - 124
1,1,1,2-Tetrachloroethane	1.0	U	50.0	52.9		ug/L		106	78 - 124
1,1,2,2-Tetrachloroethane	1.0	U	50.0	46.7		ug/L		93	71 - 121
Tetrachloroethene	1.0	U	50.0	44.0		ug/L		88	74 - 129
Toluene	2.9		50.0	46.0		ug/L		86	80 - 121
trans-1,2-Dichloroethene	0.55	J	50.0	43.4		ug/L		86	75 - 124
trans-1,3-Dichloropropene	1.0	U	50.0	42.0		ug/L		84	73 - 127
1,2,3-Trichlorobenzene	5.0	U	50.0	55.1		ug/L		110	69 - 129
1,2,4-Trichlorobenzene	5.0	U	50.0	51.5		ug/L		103	69 - 130
1,1,1-Trichloroethane	1.0	U	50.0	55.0		ug/L		110	74 - 131
1,1,2-Trichloroethane	0.50	U	50.0	40.2		ug/L		80	80 - 119
Trichloroethene	1.0	U	50.0	47.5		ug/L		95	79 - 123
Trichlorofluoromethane	1.0	U	50.0	50.8		ug/L		102	65 - 141
1,2,3-Trichloropropane	1.0	U	50.0	60.6		ug/L		121	73 - 122
1,2,4-Trimethylbenzene	1.0	U J	50.0	64.2	J	ug/L		128	76 - 124
1,3,5-Trimethylbenzene	0.50	U J	50.0	66.7	J	ug/L		133	75 - 124
Vinyl acetate	2.0	U	100	89.2		ug/L		89	54 - 146
Vinyl chloride	7.7		50.0	63.0		ug/L		111	58 - 137
Xylenes, Total	0.46	J	100	120		ug/L		119	79 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*94*		*81 - 118*
Toluene-d8 (Surr)	*106*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	18		250	233		ug/L		86	39 - 160	8	20
Benzene	1.0	U	50.0	50.4		ug/L		101	79 - 120	2	20
Bromobenzene	1.0	U	50.0	50.9		ug/L		102	80 - 120	14	20
Bromoform	1.0	U	50.0	52.7		ug/L		105	66 - 130	14	20
Bromomethane	5.0	U	50.0	49.1		ug/L		98	53 - 141	1	20
2-Butanone (MEK)	82	J	250	435	J	ug/L		141	56 - 143	25	20
Carbon disulfide	2.0	U	50.0	49.2		ug/L		98	64 - 133	0	20
Carbon tetrachloride	0.50	U	50.0	55.8		ug/L		112	72 - 136	1	20
Chlorobenzene	0.50	U	50.0	49.5		ug/L		99	82 - 118	1	20
Chlorobromomethane	1.0	U	50.0	46.9		ug/L		94	78 - 123	1	20
Chlorodibromomethane	0.50	U	50.0	46.9		ug/L		94	74 - 126	10	20
Chloroethane	5.0	U	50.0	47.7		ug/L		95	60 - 138	1	20
Chloroform	1.0	U	50.0	49.0		ug/L		98	79 - 124	0	20
Chloromethane	1.0	U	50.0	52.7		ug/L		105	50 - 139	1	20
2-Chlorotoluene	0.50	U J	50.0	54.4		ug/L		109	79 - 122	14	20
4-Chlorotoluene	1.0	U J	50.0	54.2		ug/L		108	78 - 122	13	20
cis-1,2-Dichloroethene	9.8		50.0	68.0		ug/L		116	78 - 123	17	20
cis-1,3-Dichloropropene	1.0	U	50.0	47.4		ug/L		95	75 - 124	13	20
1,2-Dibromo-3-Chloropropane	2.0	U	50.0	55.3		ug/L		111	62 - 128	12	20
Dibromomethane	1.0	U	50.0	46.7		ug/L		93	79 - 123	5	20
1,2-Dichlorobenzene	1.0	U	50.0	49.7		ug/L		99	80 - 119	3	20
1,3-Dichlorobenzene	1.0	U	50.0	49.3		ug/L		99	80 - 119	1	20
1,4-Dichlorobenzene	1.0	U	50.0	47.2		ug/L		94	79 - 118	1	20
Dichlorobromomethane	1.0	U	50.0	48.0		ug/L		96	79 - 125	7	20
Dichlorodifluoromethane	1.0	U	50.0	48.8		ug/L		98	32 - 152	9	20
1,1-Dichloroethane	1.0	U	50.0	48.9		ug/L		98	77 - 125	14	20
1,2-Dichloroethane	1.0	U	50.0	48.4		ug/L		97	73 - 128	2	20
1,1-Dichloroethene	1.0	U	50.0	50.1		ug/L		100	71 - 131	0	20
1,2-Dichloroethene, Total	10		100	115		ug/L		105	79 - 121	14	20
1,2-Dichloropropane	1.0	U	50.0	47.4		ug/L		95	78 - 122	2	20
1,3-Dichloropropane	1.0	U J	50.0	45.2		ug/L		90	80 - 119	13	20
2,2-Dichloropropane	1.0	U	50.0	54.0		ug/L		108	60 - 139	1	20
1,1-Dichloropropene	1.0	U	50.0	53.9		ug/L		108	79 - 125	0	20
Ethylbenzene	18		50.0	72.4		ug/L		109	79 - 121	1	20
Ethylene Dibromide	1.0	U	50.0	44.0		ug/L		88	75 - 127	11	20
Hexachlorobutadiene	5.0	U	50.0	66.2		ug/L		132	66 - 134	12	20
2-Hexanone	5.0	U	250	273		ug/L		109	57 - 139	16	20
Isopropylbenzene	1.0	U	50.0	56.2		ug/L		112	72 - 131	13	20
4-Isopropyltoluene	1.0	U	50.0	51.7		ug/L		103	77 - 127	1	20
Methylene Chloride	5.0	U	50.0	45.0		ug/L		90	74 - 124	2	20
4-Methyl-2-pentanone (MIBK)	5.0	U	250	256		ug/L		102	67 - 130	13	20
Methyl tert-butyl ether	0.50	U	50.0	46.2		ug/L		92	71 - 124	7	20
m-Xylene & p-Xylene	0.46	J	50.0	54.1		ug/L		107	80 - 121	7	20
Naphthalene	5.0	U	50.0	63.8		ug/L		128	61 - 128	15	20
n-Butylbenzene	1.0	U	50.0	51.8		ug/L		104	75 - 128	3	20
N-Propylbenzene	1.0	U J	50.0	59.1		ug/L		118	76 - 126	14	20
o-Xylene	0.50	U J	50.0	54.0		ug/L		108	78 - 122	14	20
sec-Butylbenzene	1.0	U	50.0	53.0		ug/L		106	77 - 126	11	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 458558

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	0.50	U J	50.0	56.0		ug/L		112	78 - 123	15	20
tert-Butylbenzene	1.0	U J	50.0	58.6		ug/L		117	78 - 124	13	20
1,1,1,2-Tetrachloroethane	1.0	U	50.0	52.8		ug/L		106	78 - 124	0	20
1,1,2,2-Tetrachloroethane	1.0	U	50.0	46.5		ug/L		93	71 - 121	1	20
Tetrachloroethene	1.0	U	50.0	48.6		ug/L		97	74 - 129	10	20
Toluene	2.9		50.0	51.4		ug/L		97	80 - 121	11	20
trans-1,2-Dichloroethene	0.55	J	50.0	47.5		ug/L		94	75 - 124	9	20
trans-1,3-Dichloropropene	1.0	U	50.0	47.3		ug/L		95	73 - 127	12	20
1,2,3-Trichlorobenzene	5.0	U	50.0	62.7		ug/L		125	69 - 129	13	20
1,2,4-Trichlorobenzene	5.0	U	50.0	58.0		ug/L		116	69 - 130	12	20
1,1,1-Trichloroethane	1.0	U	50.0	54.8		ug/L		110	74 - 131	0	20
1,1,2-Trichloroethane	0.50	U	50.0	45.3		ug/L		91	80 - 119	12	20
Trichloroethene	1.0	U	50.0	47.0		ug/L		94	79 - 123	1	20
Trichlorofluoromethane	1.0	U	50.0	51.7		ug/L		103	65 - 141	2	20
1,2,3-Trichloropropane	1.0	U	50.0	53.4		ug/L		107	73 - 122	13	20
1,2,4-Trimethylbenzene	1.0	U J	50.0	57.1		ug/L		114	76 - 124	12	20
1,3,5-Trimethylbenzene	0.50	U J	50.0	58.6		ug/L		117	75 - 124	13	20
Vinyl acetate	2.0	U	100	102		ug/L		102	54 - 146	14	20
Vinyl chloride	7.7		50.0	66.3		ug/L		117	58 - 137	5	20
Xylenes, Total	0.46	J	100	108		ug/L		108	79 - 121	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*
Dibromofluoromethane (Surr)	*98*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*95*		*81 - 118*
Toluene-d8 (Surr)	*107*		*89 - 112*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-457135/7
Matrix: Water
Analysis Batch: 457135

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/10/16 08:31	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/10/16 08:31	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		11/10/16 08:31	1
Methane (TCD)	77	U	390	77	39	ug/L		11/10/16 08:31	1

Lab Sample ID: LCS 680-457135/2
Matrix: Water
Analysis Batch: 457135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	328		ug/L		114	75 - 125
Ethylene	269	291		ug/L		108	75 - 125
Methane	154	171		ug/L		111	75 - 125

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-457135/5
Matrix: Water
Analysis Batch: 457135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane (TCD)			1920	1820		ug/L		95	75 - 125		

Lab Sample ID: LCSD 680-457135/3
Matrix: Water
Analysis Batch: 457135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane			288	316		ug/L		109	75 - 125	4	30
Ethylene			269	279		ug/L		104	75 - 125	4	30
Methane			154	166		ug/L		108	75 - 125	3	30

Lab Sample ID: LCSD 680-457135/6
Matrix: Water
Analysis Batch: 457135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)			1920	1840		ug/L		96	75 - 125	1	30

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 457135

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethane	3.0		288	355		ug/L		122	75 - 125		
Ethylene	38		269	358		ug/L		119	75 - 125		
Methane	19000	J	154	18100	J 4	ug/L		-592	75 - 125		

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 457135

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	3.0		288	339		ug/L		117	75 - 125	5	30
Ethylene	38		269	347		ug/L		115	75 - 125	3	30
Methane	19000	J	154	20300	J 4	ug/L		859	75 - 125	12	30

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 457135

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethane	1.1	U	288	290		ug/L		100	75 - 125		
Ethylene	23		269	280		ug/L		95	75 - 125		
Methane	11000	J	154	16300	J 4	ug/L		3564	75 - 125		

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: 680-131959-6 MSD — **Client Sample ID: G6M-13-06X**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 457135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	1.1	U	288	284		ug/L		98	75 - 125	2	30
Ethylene	23		269	276		ug/L		94	75 - 125	2	30
Methane	11000	J	154	16200	J 4	ug/L		3519	75 - 125	0	30

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-458464/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458464

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/18/16 22:10	1

Lab Sample ID: LCS 680-458464/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.4		mg/L		104	87 - 112

Lab Sample ID: LCSD 680-458464/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.7		mg/L		107	87 - 112	2	15

Lab Sample ID: 680-131959-5 MS — **Client Sample ID: G6M-04-04X**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.0	U	10.0	9.89	M	mg/L		99	87 - 112

Lab Sample ID: 680-131959-5 MSD — **Client Sample ID: G6M-04-04X**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458464

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.0	U	10.0	10.0	M	mg/L		100	87 - 112	1	15

Lab Sample ID: 680-131959-6 MS — **Client Sample ID: G6M-13-06X**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.0	U	10.0	9.23	M	mg/L		92	87 - 112

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 458464

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.0	U	10.0	9.15	M	mg/L		91	87 - 112	1	15

Lab Sample ID: 680-131959-5 DU
Matrix: Water
Analysis Batch: 458464

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1.0	U	1.0	U	mg/L		NC	15

Lab Sample ID: 680-131959-6 DU
Matrix: Water
Analysis Batch: 458464

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1.0	U	1.0	U	mg/L		NC	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-457706/1-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457706

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 03:13	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/16/16 03:13	1

Lab Sample ID: LCS 680-457706/2-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4920		ug/L		98	87 - 115
Manganese	500	504		ug/L		101	90 - 114

Lab Sample ID: MB 680-457827/1-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457827

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 01:08	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/16/16 01:08	1

Lab Sample ID: LCS 680-457827/2-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4800		ug/L		96	87 - 115
Manganese	500	490		ug/L		98	90 - 114

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-04-04X
Prep Type: Dissolved
Prep Batch: 457706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	120000	J	5000	113000	4	ug/L		-56	87 - 115
Manganese	9700	J	500	9510	4	ug/L		-35	90 - 114

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-04-04X
Prep Type: Dissolved
Prep Batch: 457706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	120000	J	5000	111000	4	ug/L		-95	87 - 115	2	20
Manganese	9700	J	500	9360	4	ug/L		-65	90 - 114	2	20

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-13-06X
Prep Type: Dissolved
Prep Batch: 457706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	250000	J	5000	279000	4	ug/L		560	87 - 115
Manganese	9600	J	500	10300	4	ug/L		153	90 - 114

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-13-06X
Prep Type: Dissolved
Prep Batch: 457706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	250000	J	5000	294000	4	ug/L		847	87 - 115	5	20
Manganese	9600	J	500	10100	4	ug/L		97	90 - 114	3	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-457705/1-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457705

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 03:49	1

Lab Sample ID: LCS 680-457705/2-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	103		ug/L		103	84 - 116

Lab Sample ID: MB 680-457824/1-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457824

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 00:06	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-457824/2-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457824

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			100	105		ug/L		105	84 - 116		

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-04-04X
Prep Type: Dissolved
Prep Batch: 457705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	530	J	100	614	4	ug/L		85	84 - 116		

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-04-04X
Prep Type: Dissolved
Prep Batch: 457705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	530	J	100	609	4	ug/L		79	84 - 116	1	20

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-13-06X
Prep Type: Dissolved
Prep Batch: 457705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	470	J	100	587	4	ug/L		117	84 - 116		

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-13-06X
Prep Type: Dissolved
Prep Batch: 457705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	470	J	100	590	4	ug/L		119	84 - 116	0	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-351069/23
Matrix: Water
Analysis Batch: 351069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/11/16 14:57	1

Lab Sample ID: MB 280-351069/67
Matrix: Water
Analysis Batch: 351069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/11/16 16:25	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 280-351069/22
Matrix: Water
Analysis Batch: 351069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	5.00	5.03		mg/L		101	90 - 110

Lab Sample ID: LCS 280-351069/66
Matrix: Water
Analysis Batch: 351069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	5.00	5.09		mg/L		102	90 - 110

Lab Sample ID: MRL 280-351069/21
Matrix: Water
Analysis Batch: 351069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	0.100	0.107		mg/L		107	50 - 150

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 351069

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	0.050	U J	4.00	1.98	J	mg/L		50	90 - 110

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 351069

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate/Nitrite-N	0.050	U J	4.00	1.92	J	mg/L		48	90 - 110	3	10

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 351069

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	0.050	U J	4.00	1.77	J	mg/L		44	90 - 110

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 351069

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate/Nitrite-N	0.050	U J	4.00	1.73	J	mg/L		43	90 - 110	2	10

Lab Sample ID: MB 280-351660/111
Matrix: Water
Analysis Batch: 351660

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 20:40	1

Lab Sample ID: LCS 280-351660/110
Matrix: Water
Analysis Batch: 351660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate/Nitrite-N			5.00	5.03		mg/L		101	90 - 110		

Lab Sample ID: MRL 280-351660/21
Matrix: Water
Analysis Batch: 351660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate/Nitrite-N			0.100	0.129		mg/L		129	50 - 150		

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-457192/1
Matrix: Water
Analysis Batch: 457192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/10/16 10:30	1

Lab Sample ID: LCS 680-457192/2
Matrix: Water
Analysis Batch: 457192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			10.0	12.2		mg/L		122	75 - 125		

Lab Sample ID: LCSD 680-457192/3
Matrix: Water
Analysis Batch: 457192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			10.0	12.3		mg/L		123	75 - 125	1	30

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 457192

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	4.4		10.0	14.7		mg/L		103	75 - 125		

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 457192

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	4.4		10.0	14.1		mg/L		97	75 - 125	4	30

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 457192

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	5.8		10.0	17.8		mg/L		120	75 - 125

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 457192

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	5.8		10.0	18.2		mg/L		124	75 - 125	2	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-352660/37
Matrix: Water
Analysis Batch: 352660

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		11/22/16 03:07	1

Lab Sample ID: LCS 280-352660/35
Matrix: Water
Analysis Batch: 352660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	25.1		mg/L		100	88 - 112

Lab Sample ID: LCSD 280-352660/36
Matrix: Water
Analysis Batch: 352660

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	25.0	24.9		mg/L		99	88 - 112	1	15

Lab Sample ID: 680-131959-5 MS
Matrix: Water
Analysis Batch: 352660

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	7.3		25.0	33.1		mg/L		103	88 - 112

Lab Sample ID: 680-131959-5 MSD
Matrix: Water
Analysis Batch: 352660

Client Sample ID: G6M-04-04X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	7.3		25.0	33.0		mg/L		103	88 - 112	0	15

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 280-352869/4
Matrix: Water
Analysis Batch: 352869

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		11/22/16 17:33	1

Lab Sample ID: LCS 280-352869/3
Matrix: Water
Analysis Batch: 352869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	24.8		mg/L		99	88 - 112

Lab Sample ID: 680-131959-6 MS
Matrix: Water
Analysis Batch: 352869

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	55		50.1	106		mg/L		101	88 - 112

Lab Sample ID: 680-131959-6 MSD
Matrix: Water
Analysis Batch: 352869

Client Sample ID: G6M-13-06X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	55		50.1	107		mg/L		103	88 - 112	1	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-351192/31
Matrix: Water
Analysis Batch: 351192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.13	J	5.0	3.2	1.1	mg/L		11/11/16 16:25	1

Lab Sample ID: LCS 280-351192/30
Matrix: Water
Analysis Batch: 351192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	194		mg/L		97	90 - 110

Lab Sample ID: MB 280-351620/6
Matrix: Water
Analysis Batch: 351620

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.87	J	5.0	3.2	1.1	mg/L		11/15/16 11:53	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 280-351620/4
Matrix: Water
Analysis Batch: 351620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	196		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-351620/5
Matrix: Water
Analysis Batch: 351620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	200	197		mg/L		98	90 - 110	0	10

Lab Sample ID: 680-131959-10 DU
Matrix: Water
Analysis Batch: 351620

Client Sample ID: G6M-02-13X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	190	B	212	J	mg/L		11	10

Lab Sample ID: MB 280-352335/6
Matrix: Water
Analysis Batch: 352335

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	1.67	J	5.0	3.2	1.1	mg/L		11/17/16 10:25	1

Lab Sample ID: LCS 280-352335/4
Matrix: Water
Analysis Batch: 352335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	201		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-352335/5
Matrix: Water
Analysis Batch: 352335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	200	200		mg/L		100	90 - 110	0	10

GC/MS VOA

Analysis Batch: 458558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-1	G6M-96-22B	Total/NA	Water	8260B	
680-131959-2	G6M-96-22A	Total/NA	Water	8260B	
680-131959-3	G6M-95-20X	Total/NA	Water	8260B	
680-131959-4	G6M-95-19X	Total/NA	Water	8260B	
680-131959-5	G6M-04-04X	Total/NA	Water	8260B	
680-131959-6	G6M-13-06X	Total/NA	Water	8260B	
680-131959-7	G6M-73-13X	Total/NA	Water	8260B	
680-131959-8	Trip Blank	Total/NA	Water	8260B	
680-131959-9	G6M-13-02X	Total/NA	Water	8260B	
680-131959-10	G6M-02-13X	Total/NA	Water	8260B	
680-131959-11	G6M-02-04X	Total/NA	Water	8260B	
680-131959-15	G6M-04-01X	Total/NA	Water	8260B	
680-131959-16	G6M-02-01X	Total/NA	Water	8260B	
680-131959-17	G6M-04-09X	Total/NA	Water	8260B	
680-131959-18	G6M-04-10X	Total/NA	Water	8260B	
MB 680-458558/9	Method Blank	Total/NA	Water	8260B	
LCS 680-458558/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-458558/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-131959-5 MS	G6M-04-04X	Total/NA	Water	8260B	
680-131959-5 MSD	G6M-04-04X	Total/NA	Water	8260B	
680-131959-6 MS	G6M-13-06X	Total/NA	Water	8260B	
680-131959-6 MSD	G6M-13-06X	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 457135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-5	G6M-04-04X	Total/NA	Water	RSK-175	
680-131959-6	G6M-13-06X	Total/NA	Water	RSK-175	
680-131959-10	G6M-02-13X	Total/NA	Water	RSK-175	
680-131959-16	G6M-02-01X	Total/NA	Water	RSK-175	
680-131959-18	G6M-04-10X	Total/NA	Water	RSK-175	
MB 680-457135/7	Method Blank	Total/NA	Water	RSK-175	
LCS 680-457135/2	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-457135/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-457135/3	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-457135/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-131959-5 MS	G6M-04-04X	Total/NA	Water	RSK-175	
680-131959-5 MSD	G6M-04-04X	Total/NA	Water	RSK-175	
680-131959-6 MS	G6M-13-06X	Total/NA	Water	RSK-175	
680-131959-6 MSD	G6M-13-06X	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 458464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-5	G6M-04-04X	Total/NA	Water	9056A	
680-131959-6	G6M-13-06X	Total/NA	Water	9056A	
680-131959-10	G6M-02-13X	Total/NA	Water	9056A	
680-131959-16	G6M-02-01X	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 458464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-18	G6M-04-10X	Total/NA	Water	9056A	
MB 680-458464/2	Method Blank	Total/NA	Water	9056A	
LCS 680-458464/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-458464/4	Lab Control Sample Dup	Total/NA	Water	9056A	
680-131959-5 MS	G6M-04-04X	Total/NA	Water	9056A	
680-131959-5 MSD	G6M-04-04X	Total/NA	Water	9056A	
680-131959-6 MS	G6M-13-06X	Total/NA	Water	9056A	
680-131959-6 MSD	G6M-13-06X	Total/NA	Water	9056A	
680-131959-5 DU	G6M-04-04X	Total/NA	Water	9056A	
680-131959-6 DU	G6M-13-06X	Total/NA	Water	9056A	

Metals

Prep Batch: 457705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-1	G6M-96-22B	Dissolved	Water	3005A	
680-131959-2	G6M-96-22A	Dissolved	Water	3005A	
680-131959-3	G6M-95-20X	Dissolved	Water	3005A	
680-131959-4	G6M-95-19X	Dissolved	Water	3005A	
680-131959-5	G6M-04-04X	Dissolved	Water	3005A	
680-131959-6	G6M-13-06X	Dissolved	Water	3005A	
680-131959-7	G6M-73-13X	Dissolved	Water	3005A	
680-131959-9	G6M-13-02X	Dissolved	Water	3005A	
680-131959-10	G6M-02-13X	Dissolved	Water	3005A	
680-131959-11	G6M-02-04X	Dissolved	Water	3005A	
680-131959-12	G6M-97-28X	Dissolved	Water	3005A	
680-131959-13	G6M-02-03X	Dissolved	Water	3005A	
680-131959-14	G6M-04-22X	Dissolved	Water	3005A	
MB 680-457705/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457705/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-131959-5 MS	G6M-04-04X	Dissolved	Water	3005A	
680-131959-5 MSD	G6M-04-04X	Dissolved	Water	3005A	
680-131959-6 MS	G6M-13-06X	Dissolved	Water	3005A	
680-131959-6 MSD	G6M-13-06X	Dissolved	Water	3005A	

Prep Batch: 457706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-1	G6M-96-22B	Dissolved	Water	3005A	
680-131959-2	G6M-96-22A	Dissolved	Water	3005A	
680-131959-3	G6M-95-20X	Dissolved	Water	3005A	
680-131959-4	G6M-95-19X	Dissolved	Water	3005A	
680-131959-5	G6M-04-04X	Dissolved	Water	3005A	
680-131959-6	G6M-13-06X	Dissolved	Water	3005A	
680-131959-7	G6M-73-13X	Dissolved	Water	3005A	
680-131959-9	G6M-13-02X	Dissolved	Water	3005A	
680-131959-10	G6M-02-13X	Dissolved	Water	3005A	
680-131959-11	G6M-02-04X	Dissolved	Water	3005A	
680-131959-12	G6M-97-28X	Dissolved	Water	3005A	
680-131959-13	G6M-02-03X	Dissolved	Water	3005A	
680-131959-14	G6M-04-22X	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 457706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-457706/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457706/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-131959-5 MS	G6M-04-04X	Dissolved	Water	3005A	
680-131959-5 MSD	G6M-04-04X	Dissolved	Water	3005A	
680-131959-6 MS	G6M-13-06X	Dissolved	Water	3005A	
680-131959-6 MSD	G6M-13-06X	Dissolved	Water	3005A	

Prep Batch: 457824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-15	G6M-04-01X	Dissolved	Water	3005A	
680-131959-16	G6M-02-01X	Dissolved	Water	3005A	
680-131959-17	G6M-04-09X	Dissolved	Water	3005A	
680-131959-18	G6M-04-10X	Dissolved	Water	3005A	
MB 680-457824/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457824/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 457827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-15	G6M-04-01X	Dissolved	Water	3005A	
680-131959-16	G6M-02-01X	Dissolved	Water	3005A	
680-131959-17	G6M-04-09X	Dissolved	Water	3005A	
680-131959-18	G6M-04-10X	Dissolved	Water	3005A	
MB 680-457827/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457827/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 458027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-1	G6M-96-22B	Dissolved	Water	6010C	457706
680-131959-2	G6M-96-22A	Dissolved	Water	6010C	457706
680-131959-3	G6M-95-20X	Dissolved	Water	6010C	457706
680-131959-4	G6M-95-19X	Dissolved	Water	6010C	457706
680-131959-5	G6M-04-04X	Dissolved	Water	6010C	457706
680-131959-6	G6M-13-06X	Dissolved	Water	6010C	457706
680-131959-7	G6M-73-13X	Dissolved	Water	6010C	457706
680-131959-9	G6M-13-02X	Dissolved	Water	6010C	457706
680-131959-10	G6M-02-13X	Dissolved	Water	6010C	457706
680-131959-11	G6M-02-04X	Dissolved	Water	6010C	457706
680-131959-12	G6M-97-28X	Dissolved	Water	6010C	457706
680-131959-13	G6M-02-03X	Dissolved	Water	6010C	457706
680-131959-14	G6M-04-22X	Dissolved	Water	6010C	457706
680-131959-15	G6M-04-01X	Dissolved	Water	6010C	457827
680-131959-16	G6M-02-01X	Dissolved	Water	6010C	457827
680-131959-17	G6M-04-09X	Dissolved	Water	6010C	457827
680-131959-18	G6M-04-10X	Dissolved	Water	6010C	457827
MB 680-457706/1-A	Method Blank	Total Recoverable	Water	6010C	457706
MB 680-457827/1-A	Method Blank	Total Recoverable	Water	6010C	457827
LCS 680-457706/2-A	Lab Control Sample	Total Recoverable	Water	6010C	457706
LCS 680-457827/2-A	Lab Control Sample	Total Recoverable	Water	6010C	457827
680-131959-5 MS	G6M-04-04X	Dissolved	Water	6010C	457706
680-131959-5 MSD	G6M-04-04X	Dissolved	Water	6010C	457706
680-131959-6 MS	G6M-13-06X	Dissolved	Water	6010C	457706

Metals (Continued)

Analysis Batch: 458027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-6 MSD	G6M-13-06X	Dissolved	Water	6010C	457706

Analysis Batch: 458221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-1	G6M-96-22B	Dissolved	Water	6020A	457705
680-131959-2	G6M-96-22A	Dissolved	Water	6020A	457705
680-131959-3	G6M-95-20X	Dissolved	Water	6020A	457705
680-131959-4	G6M-95-19X	Dissolved	Water	6020A	457705
680-131959-5	G6M-04-04X	Dissolved	Water	6020A	457705
680-131959-6	G6M-13-06X	Dissolved	Water	6020A	457705
680-131959-7	G6M-73-13X	Dissolved	Water	6020A	457705
680-131959-9	G6M-13-02X	Dissolved	Water	6020A	457705
680-131959-10	G6M-02-13X	Dissolved	Water	6020A	457705
680-131959-11	G6M-02-04X	Dissolved	Water	6020A	457705
680-131959-12	G6M-97-28X	Dissolved	Water	6020A	457705
680-131959-13	G6M-02-03X	Dissolved	Water	6020A	457705
680-131959-14	G6M-04-22X	Dissolved	Water	6020A	457705
680-131959-15	G6M-04-01X	Dissolved	Water	6020A	457824
680-131959-16	G6M-02-01X	Dissolved	Water	6020A	457824
680-131959-17	G6M-04-09X	Dissolved	Water	6020A	457824
680-131959-18	G6M-04-10X	Dissolved	Water	6020A	457824
MB 680-457705/1-A	Method Blank	Total Recoverable	Water	6020A	457705
MB 680-457824/1-A	Method Blank	Total Recoverable	Water	6020A	457824
LCS 680-457705/2-A	Lab Control Sample	Total Recoverable	Water	6020A	457705
LCS 680-457824/2-A	Lab Control Sample	Total Recoverable	Water	6020A	457824
680-131959-5 MS	G6M-04-04X	Dissolved	Water	6020A	457705
680-131959-5 MSD	G6M-04-04X	Dissolved	Water	6020A	457705
680-131959-6 MS	G6M-13-06X	Dissolved	Water	6020A	457705
680-131959-6 MSD	G6M-13-06X	Dissolved	Water	6020A	457705

General Chemistry

Analysis Batch: 351069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-5	G6M-04-04X	Total/NA	Water	353.2	
680-131959-6	G6M-13-06X	Total/NA	Water	353.2	
680-131959-10	G6M-02-13X	Total/NA	Water	353.2	
MB 280-351069/23	Method Blank	Total/NA	Water	353.2	
MB 280-351069/67	Method Blank	Total/NA	Water	353.2	
LCS 280-351069/22	Lab Control Sample	Total/NA	Water	353.2	
LCS 280-351069/66	Lab Control Sample	Total/NA	Water	353.2	
MRL 280-351069/21	Lab Control Sample	Total/NA	Water	353.2	
680-131959-5 MS	G6M-04-04X	Total/NA	Water	353.2	
680-131959-5 MSD	G6M-04-04X	Total/NA	Water	353.2	
680-131959-6 MS	G6M-13-06X	Total/NA	Water	353.2	
680-131959-6 MSD	G6M-13-06X	Total/NA	Water	353.2	

Analysis Batch: 351192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-5	G6M-04-04X	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 351192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-6	G6M-13-06X	Total/NA	Water	SM 2320B	
MB 280-351192/31	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-351192/30	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 351620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-10	G6M-02-13X	Total/NA	Water	SM 2320B	
680-131959-16	G6M-02-01X	Total/NA	Water	SM 2320B	
MB 280-351620/6	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-351620/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-351620/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
680-131959-10 DU	G6M-02-13X	Total/NA	Water	SM 2320B	

Analysis Batch: 351660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-16	G6M-02-01X	Total/NA	Water	353.2	
680-131959-18	G6M-04-10X	Total/NA	Water	353.2	
MB 280-351660/111	Method Blank	Total/NA	Water	353.2	
LCS 280-351660/110	Lab Control Sample	Total/NA	Water	353.2	
MRL 280-351660/21	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 352335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-18	G6M-04-10X	Total/NA	Water	SM 2320B	
MB 280-352335/6	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-352335/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-352335/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 352660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-5	G6M-04-04X	Total/NA	Water	9060A	
680-131959-10	G6M-02-13X	Total/NA	Water	9060A	
680-131959-16	G6M-02-01X	Total/NA	Water	9060A	
680-131959-18	G6M-04-10X	Total/NA	Water	9060A	
MB 280-352660/37	Method Blank	Total/NA	Water	9060A	
LCS 280-352660/35	Lab Control Sample	Total/NA	Water	9060A	
LCSD 280-352660/36	Lab Control Sample Dup	Total/NA	Water	9060A	
680-131959-5 MS	G6M-04-04X	Total/NA	Water	9060A	
680-131959-5 MSD	G6M-04-04X	Total/NA	Water	9060A	

Analysis Batch: 352869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-6	G6M-13-06X	Total/NA	Water	9060A	
MB 280-352869/4	Method Blank	Total/NA	Water	9060A	
LCS 280-352869/3	Lab Control Sample	Total/NA	Water	9060A	
680-131959-6 MS	G6M-13-06X	Total/NA	Water	9060A	
680-131959-6 MSD	G6M-13-06X	Total/NA	Water	9060A	

Analysis Batch: 457192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-5	G6M-04-04X	Total/NA	Water	9034	

General Chemistry (Continued)

Analysis Batch: 457192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-131959-6	G6M-13-06X	Total/NA	Water	9034	
680-131959-10	G6M-02-13X	Total/NA	Water	9034	
680-131959-16	G6M-02-01X	Total/NA	Water	9034	
680-131959-18	G6M-04-10X	Total/NA	Water	9034	
MB 680-457192/1	Method Blank	Total/NA	Water	9034	
LCS 680-457192/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-457192/3	Lab Control Sample Dup	Total/NA	Water	9034	
680-131959-5 MS	G6M-04-04X	Total/NA	Water	9034	
680-131959-5 MSD	G6M-04-04X	Total/NA	Water	9034	
680-131959-6 MS	G6M-13-06X	Total/NA	Water	9034	
680-131959-6 MSD	G6M-13-06X	Total/NA	Water	9034	

Client Sample ID: G6M-96-22B

Lab Sample ID: 680-131959-1

Date Collected: 11/08/16 09:35

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 10:23	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 03:23	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 03:56	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-96-22A

Lab Sample ID: 680-131959-2

Date Collected: 11/08/16 11:10

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 10:43	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 03:28	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 04:00	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-95-20X

Lab Sample ID: 680-131959-3

Date Collected: 11/08/16 12:30

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 11:04	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 03:34	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 04:04	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-95-19X

Lab Sample ID: 680-131959-4

Date Collected: 11/08/16 13:30

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 11:24	JD1	TAL SAV

Client Sample ID: G6M-95-19X

Lab Sample ID: 680-131959-4

Date Collected: 11/08/16 13:30

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 11:24	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 03:49	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 04:07	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-04X

Lab Sample ID: 680-131959-5

Date Collected: 11/08/16 15:15

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 09:42	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	457135	11/10/16 15:27	SMC	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	458464	11/18/16 23:20	JRJ	TAL SAV
	Instrument ID: CICG									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 03:54	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 04:11	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351069	11/11/16 15:35	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457192	11/10/16 10:30	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352660	11/22/16 08:38	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			351192	11/11/16 18:22	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-13-06X

Lab Sample ID: 680-131959-6

Date Collected: 11/08/16 09:10

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 10:02	JD1	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-13-06X

Lab Sample ID: 680-131959-6

Date Collected: 11/08/16 09:10

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	457135	11/10/16 16:05	SMC	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	458464	11/19/16 03:41	JRJ	TAL SAV
	Instrument ID: CICG									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 04:21	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:20	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351069	11/11/16 16:27	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457192	11/10/16 14:35	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		2			352869	11/22/16 18:33	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			351192	11/11/16 18:28	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-73-13X

Lab Sample ID: 680-131959-7

Date Collected: 11/08/16 11:25

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 11:44	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 04:36	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:30	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: Trip Blank

Lab Sample ID: 680-131959-8

Date Collected: 11/08/16 00:00

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 09:21	JD1	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-13-02X

Lab Sample ID: 680-131959-9

Date Collected: 11/08/16 13:10

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 12:05	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 04:52	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:34	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-02-13X

Lab Sample ID: 680-131959-10

Date Collected: 11/08/16 14:00

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 12:25	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	457135	11/10/16 16:44	SMC	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	458464	11/19/16 00:29	JRJ	TAL SAV
	Instrument ID: CICG									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 04:57	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:37	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351069	11/11/16 16:33	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457192	11/10/16 14:35	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352660	11/22/16 10:44	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			351620	11/15/16 11:58	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-02-04X

Lab Sample ID: 680-131959-11

Date Collected: 11/08/16 15:15

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 12:46	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV

Client Sample ID: G6M-02-04X

Lab Sample ID: 680-131959-11

Date Collected: 11/08/16 15:15

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458027	11/16/16 05:02	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:41	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-97-28X

Lab Sample ID: 680-131959-12

Date Collected: 11/08/16 16:05

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 05:07	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:55	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-02-03X

Lab Sample ID: 680-131959-13

Date Collected: 11/08/16 16:50

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 05:13	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 10:58	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-22X

Lab Sample ID: 680-131959-14

Date Collected: 11/09/16 08:05

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	457706	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 05:18	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457705	11/14/16 16:09	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 11:02	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-01X

Lab Sample ID: 680-131959-15

Date Collected: 11/09/16 09:20

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 13:06	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457827	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 02:26	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457824	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 01:13	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-02-01X

Lab Sample ID: 680-131959-16

Date Collected: 11/09/16 10:10

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 13:27	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	457135	11/10/16 16:57	SMC	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	458464	11/19/16 00:47	JRJ	TAL SAV
	Instrument ID: CICG									
Dissolved	Prep	3005A			50 mL	50 mL	457827	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 02:10	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457824	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 01:02	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 20:50	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457192	11/10/16 14:35	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352660	11/22/16 10:59	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			351620	11/15/16 12:09	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-04-09X

Lab Sample ID: 680-131959-17

Date Collected: 11/09/16 12:00

Matrix: Water

Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 13:48	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457827	11/15/16 12:11	AJR	TAL SAV

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Client Sample ID: G6M-04-09X

Lab Sample ID: 680-131959-17

Date Collected: 11/09/16 12:00
Matrix: Water
Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458027	11/16/16 02:15	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457824	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 01:06	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-10X

Lab Sample ID: 680-131959-18

Date Collected: 11/09/16 13:05
Matrix: Water
Date Received: 11/10/16 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458558	11/21/16 14:08	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	457135	11/10/16 17:09	SMC	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	458464	11/19/16 06:17	JRJ	TAL SAV
	Instrument ID: CICG									
Dissolved	Prep	3005A			50 mL	50 mL	457827	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 02:21	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457824	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 01:10	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 20:52	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457192	11/10/16 14:35	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352660	11/22/16 11:14	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352335	11/17/16 10:48	MMC	TAL DEN
	Instrument ID: WC-AT3									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

360325-Boston

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 1 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F, Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affiliation: Evan B. Anderson

Sampler(s) Signature(s):

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes): H | H | N | I | S | I | O | S

Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*: SW6010/6020 1-250 ml poly (HNO3)	Sulfate-SW9056 1-125-ml poly	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4)	Alkalinity/SM2320B 1-250-ml poly	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH)	TOC/SW9060 1-250-ml amber glass (H2SO4)	Remarks	Lab. No.
G6M-96-22B	11-08-16	0935	P	GW		X		X							
G6M-96-22A	11-08-16	1110	P	GW		X		X							
G6M-95-20X	11-08-16	1230	P	GW		X		X							
G6M-95-19X	11-08-16	1330	P	GW		X		X							
G6M-04-04X	11-08-16	1515	P	GW		X	X	X	X	X	X	X	X		
G6M-04-04X MS	11-08-16	1515	P	GW		X	X	X	X	X	X	X	X		
G6M-04-04X MSD	11-08-16	1515	P	GW		X	X	X	X	X	X	X	X		
66M-13-06X	11-8-16	910	P	GW		X	X	X	X	X	X	X	X	MS/MSD	
66M-93-13X	11/8/16	1125	P	GW		X		X							
Trip Blank	—	—	O	O		X									
66M-13-02X	11/8/16	1310		GW		X		X							
66M-02-13X	11/8/16	1400		GW		X	X	X	X	X	X	X	X		
66M-02-04X	11/8/16	1515		GW		X		X							
Shipping Details			courier pick up		0	← Total Number of Containers									

Date Out: Via:
Returned: Via:

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
		11/9/16	1435			
		11-9-16	1435			
		11-9-16	1800		11-10-16	0910

680-131959
4.4/3.2 (cf) 4.6/34°

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # Preserve Where Applicable
On ICE
Temperature _____ C

- NJ Reduced
- NJ Full
- Full CLP
- Disk Deliverable
- Other (Specify)

NJ Data Deliverable Info
- Commercial "A"
- Commercial "B"
- State Forms

MATRIX CODES: A = Air; GW = Groundwater; SE = Sediment; SP = Soil; SW = Surface Water; O = Other
PRESERVATIVE CODES: H = HCL + Ice; I = Ice Only; N = Nitric Acid + Ice; S = Sulfuric Acid + Ice; M = Methanol; O = Other
COLLECTION METHOD CODES: C = Composite; G=Grab; P= Pumping; O = Other

680-131959 Chain of Custody

11/28/2016

COC / Workorder#: Devens - AOC50

Chain of Custody Record

Page: 2 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F, Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affiliation: Kevin L. Anderson KGS

Sampler(s) Signature(s):

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes): H | H | N | I | S | I | O | S

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*-SW6010/6020 1-250 ml poly (HNO3)	Sulfate-SW9056 1-125-ml poly	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4)	Alkalinity/SM2320B 1-250-ml poly	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH)	TOC/SW9060 1-250-ml amber glass (H2SO4)	Remarks	Lab. No.
66M-97-28X	11/8/16	1605	P	GW				X							
66M-02-03X	11/8/16	1650	P	GW				X							
66M-04-22X	11/9/16	805	P	GW				X							
66M-04-01X	11/9/16	920	P	GW		X		X							
66M-02-01X	11/9/16	1010	P	GW		X	X	X	X	X	X	X	X		
66M-04-09X	11/9/16	1200	P	GW		X		X					X		
66M-04-10X	11/9/16	1305	P	GW		X	X	X	X	X	X	X	X		
			P	GW											
			P	GW											
Trip Blank			O	O		X									

Shipping Details: courier pick up — 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
		11/9/16	1435			
		11-9-16	1435			
		11-9-16	1800		11/10/16	0910
				660-131959		
				4.4 | 3.2 (CF)	11.6 | 3.4°C	

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # Preserve Where Applicable ☐ On ICE ☐
Temperature _____C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air; GW = Groundwater; SE = Sediment; SP = Soil; SW = Surface Water; O = Other
PRESERVATIVE CODES: H = HCL + Ice; I = Ice Only; N = Nitric Acid + Ice; S = Sulfuric Acid + Ice; M = Methanol; O = Other
COLLECTION METHOD CODES: C = Composite; G=Grab; P= Pumping; O = Other

360325-Boston

COC / Workorder#: Devens - AOC50

Chain of Custody Record

Page: 1 of: 2

Company	KOMAN GS, LLC
Address:	160 East Main Street, Suite 2F Westborough, MA
Phone: 508-366-7442	Fax: 508-366-7445
Sampled by [Print Name(s)]/Affiliation	Kevin B. Anderson
Sampler(s) Signature(s)	

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

680-131959 Chain of Custody

Preservatives (see codes): H | H | N | I | S | I | O | S

Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*-SW6010/6020 1-250 ml poly (HNO3)	Sulfate-SW9056 1-125-ml poly	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4)	Alkalinity/SM2320B 1-250-ml poly	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH)	TOC/SW9060 1-250-ml amber s (H2SO4)	
G6M-96-22B	11-08-16	0935	P	GW		X		X						
G6M-96-22A	11-08-16	1110	P	GW		X		X						
G6M-95-20X	11-08-16	1230	P	GW		X		X						
G6M-95-19X	11-08-16	1330	P	GW		X		X						
G6M-04-04X	11-08-16	1515	P	GW		X	X	X	X	X	X	X	X	
G6M-04-04X MS	11-08-16	1515	P	GW		X	X	X	X	X	X	X	X	
G6M-04-04X MSD	11-08-16	1515	P	GW		X	X	X	X	X	X	X	X	
G6M-13-06X	11-8-16	910	P	GW		X	X	X	X	X	X	X	X	MS/MSD
G6M-13-13X	11/8/16	1125	P	GW		X		X						
Trip Blank	—	—	O	O		X								
G6M-13-02X	11/8/16	1310		GW		X		X						
G6M-02-13X	11/8/16	1400		GW		X	X	X	X	X	X	X	X	
G6M-02-04X	11/8/16	1515		GW		X		X						

Shipping Details: courier pick up — 0 ← Total Number of Containers

Alkalinity TOC + Nitrate TO DENVER

Date Out: Via:
Returned: Via:

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)
1.6 IRH 5.0.0 Transfer
RP 11-10-16

Item No.	Relinquished by/Affiliation	Date	Time
		11/9/16	1435
		11-9-16	1435
		11-9-16	1800
		11-10-16	1000

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # ____ Preserve Where Applicable ☐ On ICE ☐
Temperature ____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air | GW = Groundwater | SE = Sediment | SP = Soil | SW = Surface Water | O = Other
PRESERVATIVE CODES: H = HCL + Ice | I = Ice Only | N = Nitric Acid + Ice | S = Sulfuric Acid + Ice | M = Methanol | O = Other
COLLECTION METHOD CODES: C = Composite | G=Grab | P= Pumping | O = Other

11/28/2016

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 2 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affilliation: Kevin G. Anderson KGS

Sampler(s) Signature(s): [signature]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes) / Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl) (H)	MEE/RSK175 3-40-ml VOA vials (HCl) (H)	Dissolved Metals*-SW6010/6020 1-250 ml poly (HNO3) (N)	Sulfate-SW9056 1-125-ml poly (I)	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4) (S)	Alkalinity/SM2320B 1-250-ml poly (I)	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH) (O)	TOC/SW9060 1-250-ml amber glass (H2SO4) (S)	Remarks	Lab. No.
66M-97-28X	11/8/16	1605	P	GW				X							
66M-02-03X	11/8/16	1650	P	GW				X							
66M-04-22X	11/9/16	805	P	GW				X							
66M-04-01X	11/9/16	920	P	GW		X		X							
66M-02-01X	11/9/16	1010	P	GW		X	X	X	X	X	X	X	X		
66M-04-09X	11/9/16	1200	P	GW		X		X					X		
66M-04-10X	11/9/16	1305	P	GW		X	X	X	X	X	X	X	X		
			P	GW											
			P	GW											
~~Trip Blank~~ VOA			O	O		X									

Alkalinity
TOC + Nitrate
to DENVER

Shipping Details: courier pick up 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
	[signature]	11/9/16	1435			
	[signature]	11-9-16	1435			
	[signature]	11-9-16	1800			
	Received [signature]	11-10-16	1000			

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # _____ Preserve Where Applicable ☐ On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SP = Soil SW = Surface Water O = Other
PRESERVATIVE CODES: H = HCL + Ice I = Ice Only N = Nitric Acid + Ice S = Sulfuric Acid + Ice M = Methanol O = Other
COLLECTION METHOD CODES: C = Composite G=Grab P= Pumping O = Other

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-131959-1

Login Number: 131959

List Source: TestAmerica Savannah

List Number: 1

Creator: Ragnaldsen, Amy E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-131959-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



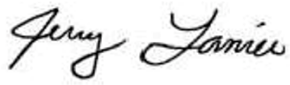
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-132062-1
Client Project/Site: Fort Devens / AOC 50

For:
KOMAN Government Solutions, LLC
160 East Main St
Suite 2F
Westborough, Massachusetts 01581

Attn: Laurie Ekes



Authorized for release by:
11/29/2016 6:07:43 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

LINKS

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

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

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

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Job ID: 680-132062-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: KOMAN Government Solutions, LLC

Project: Fort Devens / AOC 50

Report Number: 680-132062-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/12/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.9º C and 1.6º C.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples G6M-04-11X (680-132062-1), G6M-04-15X (680-132062-3), G6M-03-07X (680-132062-4), G6M-13-03X (680-132062-5), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-04-13X (680-132062-9), Trip Blank (680-132062-10), G6M-02-08X (680-132062-11), G6M-03-01X (680-132062-12), DUP-1 (680-132062-13), G6M-13-01X (680-132062-14), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-13-05X (680-132062-17), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19), DUP-3 (680-132062-20), G6M-04-02X (680-132062-21), DUP-2 (680-132062-22), G6M-04-14X (680-132062-23), G6M-02-07X (680-132062-24), G6M-12-98X (680-132062-25), DUP-4 (680-132062-26) and G6M-02-06X (680-132062-27) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/22/2016, 11/23/2016 and 11/25/2016.

Surrogate recovery for the following sample was outside the upper control limit: G6M-02-06X (680-132062-27). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Toluene-d8 (Surr) failed the surrogate recovery criteria high for G6M-03-07X (680-132062-4). Refer to the QC report for details.

The continuing calibration verification (CCV) associated with batch 680-459061 recovered above the upper control limit for n-Butylbenzene, Hexachlorobutadiene and Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 680-459061/3).

The method blank for preparation batch 680-458718 contained Carbon disulfide above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Carbon disulfide was detected in the method blank (MB) and samples above the method detection limit (MDL), re-analysis was performed outside of holding time:G6M-04-11X (680-132062-1), G6M-04-15X (680-132062-3), G6M-03-07X (680-132062-4), G6M-13-03X (680-132062-5), Trip Blank (680-132062-10) and G6M-02-08X (680-132062-11).

Samples G6M-07-02X (680-132062-7)[20X], DUP-5 (680-132062-8)[20X] and G6M-13-05X (680-132062-17)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-458718, 680-458894, 680-459061, .

Job ID: 680-132062-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

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

DISSOLVED GASES

Samples G6M-03-07X (680-132062-4), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-02-08X (680-132062-11), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19) and DUP-3 (680-132062-20) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 11/22/2016 and 11/28/2016.

Batch QC for pecision was not included in the original run. The re-analysis was outside of hold time. The client was notified and requested the original data be reported..
No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples G6M-04-15X (680-132062-3), G6M-03-07X (680-132062-4), G6M-13-03X (680-132062-5), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-04-13X (680-132062-9), G6M-02-08X (680-132062-11), G6M-13-01X (680-132062-14), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-13-05X (680-132062-17), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19), DUP-3 (680-132062-20), G6M-04-02X (680-132062-21), DUP-2 (680-132062-22), G6M-04-14X (680-132062-23), G6M-02-07X (680-132062-24), G6M-12-98X (680-132062-25), DUP-4 (680-132062-26) and G6M-02-06X (680-132062-27) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/15/2016 and analyzed on 11/15/2016 and 11/16/2016.

Iron and Manganese failed the recovery criteria low for the MS of sample MW-3MS (680-132062-16) in batch 680-458027.

Manganese failed the recovery criteria high for the MSD of sample MW-3MSD (680-132062-16) in batch 680-458027.

Manganese failed the recovery criteria low for the MS/MSD of sample G6M-04-15X (680-132062-3) in batch 680-458027.

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

METALS (ICP-MS)

Samples G6M-04-31X (680-132062-2), G6M-04-15X (680-132062-3), G6M-03-07X (680-132062-4), G6M-13-03X (680-132062-5), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-04-13X (680-132062-9), G6M-02-08X (680-132062-11), G6M-13-01X (680-132062-14), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-13-05X (680-132062-17), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19), DUP-3 (680-132062-20), G6M-04-02X (680-132062-21), DUP-2 (680-132062-22), G6M-04-14X (680-132062-23), G6M-02-07X (680-132062-24), G6M-12-98X (680-132062-25), DUP-4 (680-132062-26) and G6M-02-06X (680-132062-27) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 11/15/2016 and analyzed on 11/16/2016 and 11/17/2016.

Arsenic failed the recovery criteria low for the MS of sample G6M-03-07XMS (680-132062-4) in batch 680-458221.

Refer to the QC report for details.

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

ALKALINITY

Samples G6M-03-07X (680-132062-4), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-02-08X (680-132062-11), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19) and DUP-3 (680-132062-20) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 11/15/2016 and 11/17/2016.

The method blank associated with analytical batch 280-351620 contained Alkalinity greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples contained greater than 10x the analytes found in the MB. The sample results have been qualified and reported. Batch 351620

The instrument blank for analytical batch 280-351620 contained Alkalinity greater than one-half the reporting limit (RL), and were not

Job ID: 680-132062-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

re-analyzed because the CCB is less than the RL and analytes found in all samples are greater than 10x the CCB. The data have been qualified and reported. Batch 351620

The sample duplicate (DUP) precision for Total Alkalinity was outside control limits. Sample non-homogeneity is suspected. Batch 351620

The sample duplicate (DUP) precision for analytical batch 280-351701 was outside control limits. Sample non-homogeneity is suspected. Alkalinity Batch 351701

The method blank associated with analytical batch 280-352331 contained Alkalinity greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples contained alkalinity greater than 10x that of the MB. The sample results have been qualified and reported. Batch 352331

Alkalinity exceeded the RPD limit for the duplicate of sample 680-131959-10. Refer to the QC report for details.

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

NITRATE-NITRITE AS NITROGEN

Samples G6M-03-07X (680-132062-4), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-02-08X (680-132062-11), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19) and DUP-3 (680-132062-20) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 11/15/2016.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for method 353.2_Pres analytical batch 280-351660 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

SULFIDE

Samples G6M-03-07X (680-132062-4), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-02-08X (680-132062-11), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19) and DUP-3 (680-132062-20) were analyzed for sulfide in accordance with EPA SW846 Method 9034. The samples were analyzed on 11/15/2016 and 11/17/2016.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples G6M-03-07X (680-132062-4), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-02-08X (680-132062-11), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19) and DUP-3 (680-132062-20) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with SW 846 9056A. The samples were analyzed on 11/25/2016.

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

TOTAL ORGANIC CARBON

Samples G6M-03-07X (680-132062-4), G6M-04-10A (680-132062-6), G6M-07-02X (680-132062-7), DUP-5 (680-132062-8), G6M-02-08X (680-132062-11), G6M-13-04X (680-132062-15), MW-3 (680-132062-16), G6M-03-02X (680-132062-18), G6M-04-03X (680-132062-19) and DUP-3 (680-132062-20) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 11/23/2016 and 11/24/2016.

Total Organic Carbon - Duplicates was detected in method blank MB 280-353237/37 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Job ID: 680-132062-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples G6M-02-08X (680-132062-11)[50X] and G6M-03-02X (680-132062-18)[3.57X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Sample Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-132062-1	G6M-04-11X	Water	11/10/16 10:30	11/12/16 09:55
680-132062-2	G6M-04-31X	Water	11/10/16 12:50	11/12/16 09:55
680-132062-3	G6M-04-15X	Water	11/10/16 14:00	11/12/16 09:55
680-132062-4	G6M-03-07X	Water	11/10/16 15:15	11/12/16 09:55
680-132062-5	G6M-13-03X	Water	11/10/16 16:55	11/12/16 09:55
680-132062-6	G6M-04-10A	Water	11/09/16 14:20	11/12/16 09:55
680-132062-7	G6M-07-02X	Water	11/09/16 16:20	11/12/16 09:55
680-132062-8	DUP-5	Water	11/09/16 15:50	11/12/16 09:55
680-132062-9	G6M-04-13X	Water	11/10/16 07:40	11/12/16 09:55
680-132062-10	Trip Blank	Water	11/10/16 00:00	11/12/16 09:55
680-132062-11	G6M-02-08X	Water	11/10/16 08:40	11/12/16 09:55
680-132062-12	G6M-03-01X	Water	11/10/16 10:00	11/12/16 09:55
680-132062-13	DUP-1	Water	11/10/16 10:30	11/12/16 09:55
680-132062-14	G6M-13-01X	Water	11/11/16 09:15	11/12/16 09:55
680-132062-15	G6M-13-04X	Water	11/11/16 10:55	11/12/16 09:55
680-132062-16	MW-3	Water	11/11/16 12:40	11/12/16 09:55
680-132062-17	G6M-13-05X	Water	11/10/16 10:40	11/12/16 09:55
680-132062-18	G6M-03-02X	Water	11/10/16 12:50	11/12/16 09:55
680-132062-19	G6M-04-03X	Water	11/10/16 14:30	11/12/16 09:55
680-132062-20	DUP-3	Water	11/10/16 15:00	11/12/16 09:55
680-132062-21	G6M-04-02X	Water	11/10/16 16:20	11/12/16 09:55
680-132062-22	DUP-2	Water	11/10/16 16:45	11/12/16 09:55
680-132062-23	G6M-04-14X	Water	11/11/16 09:15	11/12/16 09:55
680-132062-24	G6M-02-07X	Water	11/11/16 11:40	11/12/16 09:55
680-132062-25	G6M-12-98X	Water	11/11/16 12:25	11/12/16 09:55
680-132062-26	DUP-4	Water	11/11/16 13:00	11/12/16 09:55
680-132062-27	G6M-02-06X	Water	11/11/16 15:15	11/12/16 09:55

Method Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9056A	Anions, Ion Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL DEN
SM 2320B	Alkalinity	SM	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
H	Sample was prepped or analyzed beyond the specified holding time
D	The reported value is from a dilution.
Q	One or more quality control criteria failed.

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.

HPLC/IC

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Undetected at the Limit of Detection.
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

General Chemistry

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-04-11X — Lab Sample ID: 680-132062-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.44	J	2.0	2.0	0.43	ug/L	1		8260B	Total/NA

Client Sample ID: G6M-04-31X — Lab Sample ID: 680-132062-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	430		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-15X — Lab Sample ID: 680-132062-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.46	J	2.0	2.0	0.43	ug/L	1		8260B	Total/NA
Trichloroethene	0.95	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	16000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	14000	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	55		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-03-07X — Lab Sample ID: 680-132062-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.46	J	2.0	2.0	0.43	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.44	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.8	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Toluene	0.60	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Vinyl chloride	0.63	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylene	16		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	23000		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	81000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	1400		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	420	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	22		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	170		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-13-03X — Lab Sample ID: 680-132062-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Iron	450		50	50	17	ug/L	1		6010C	Dissolved
Manganese	420		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	2.2	J	3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-10A — Lab Sample ID: 680-132062-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.96	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.96	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.49	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	1.4		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Methane (TCD)	7100		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	17	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	92000		50	50	17	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-04-10A (Continued) — Lab Sample ID: 680-132062-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Manganese	3200		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	220		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Sulfide	1.5		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	5.5		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	86	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-07-02X — Lab Sample ID: 680-132062-7

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3200	D	20	20	15	ug/L	20		8260B	Total/NA
Methane	100		0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	6.0	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	100		50	50	17	ug/L	1		6010C	Dissolved
Manganese	41		10	3.0	1.0	ug/L	1		6010C	Dissolved
Nitrate/Nitrite-N	0.062	J	0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Total Organic Carbon - Duplicates	0.93	J	1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	15		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: DUP-5 — Lab Sample ID: 680-132062-8

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3000	D	20	20	15	ug/L	20		8260B	Total/NA
Methane	100		0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	6.0	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	98		50	50	17	ug/L	1		6010C	Dissolved
Manganese	40		10	3.0	1.0	ug/L	1		6010C	Dissolved
Nitrate/Nitrite-N	0.067	J	0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Total Organic Carbon - Duplicates	0.92	J	1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	15		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-04-13X — Lab Sample ID: 680-132062-9

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 680-132062-10

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.50	J	2.0	2.0	0.43	ug/L	1		8260B	Total/NA

Client Sample ID: G6M-02-08X — Lab Sample ID: 680-132062-11

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	180		10	10	7.0	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	840		10	10	3.4	ug/L	1		8260B	Total/NA
Carbon disulfide	0.52	J	2.0	2.0	0.43	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	27		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	27		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
2-Hexanone	190		10	5.0	2.0	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-02-08X (Continued) — Lab Sample ID: 680-132062-11

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.49	J	1.0	1.0	0.35	ug/L	1		8260B	Total/NA
o-Xylene	0.26	J	1.0	0.50	0.23	ug/L	1		8260B	Total/NA
Tetrachloroethene	4.3		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Toluene	67		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	2.1		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	0.75	J	2.0	0.50	0.23	ug/L	1		8260B	Total/NA
Methane (TCD)	11000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	0.58	J M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	880000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	8600		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	230		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Nitrate/Nitrite-N	0.053	J	0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Sulfide	7.0		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	2100		50	25	7.8	mg/L	50		9060A	Total/NA
Alkalinity	1000		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-03-01X — Lab Sample ID: 680-132062-12

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		10	10	7.0	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	17		10	10	3.4	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	180		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.4		1.0	1.0	0.36	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	180		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
2-Hexanone	11		10	5.0	2.0	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	0.71	J	1.0	1.0	0.35	ug/L	1		8260B	Total/NA
o-Xylene	0.31	J	1.0	0.50	0.23	ug/L	1		8260B	Total/NA
Toluene	0.89	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.0		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	130		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	140		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	1.0	J	2.0	0.50	0.23	ug/L	1		8260B	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 680-132062-13

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		10	10	7.0	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	9.8	J	10	10	3.4	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	180		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.4		1.0	1.0	0.36	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	180		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	0.73	J	1.0	1.0	0.35	ug/L	1		8260B	Total/NA
o-Xylene	0.29	J	1.0	0.50	0.23	ug/L	1		8260B	Total/NA
Toluene	0.55	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.1		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	130		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	140		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	1.0	J	2.0	0.50	0.23	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-13-01X — Lab Sample ID: 680-132062-14

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.5		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	6.5		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	27		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	3.5		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	2.8		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	1200		50	50	17	ug/L	1		6010C	Dissolved
Manganese	29		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	3.5		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-13-04X — Lab Sample ID: 680-132062-15

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	3.9	J	5.0	5.0	2.5	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	17		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.62	J	1.0	1.0	0.36	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	18		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	4.9		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.86	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	17		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	36		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	2.2		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Ethylene	12		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	7000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	4.0	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	28000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	7600		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	340		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	1.6		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	250	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 680-132062-16

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	2.1		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.96	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	1.6		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethane	2.9		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Methane (TCD)	7000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	1.4	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	47000	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	9500	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	410		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	6.4		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	370	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-13-05X — Lab Sample ID: 680-132062-17

This Detection Summary does not include radiochemical test results.

TestAmerica Savannah

Client Sample ID: G6M-13-05X (Continued) — Lab Sample ID: 680-132062-17

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	31	D	10	10	4.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	31	D	20	10	7.4	ug/L	10		8260B	Total/NA
Tetrachloroethene	830	D	10	10	7.4	ug/L	10		8260B	Total/NA
Trichloroethene	7.2	J D	10	10	4.8	ug/L	10		8260B	Total/NA
Manganese	54		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-03-02X — Lab Sample ID: 680-132062-18

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		10	10	7.0	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	130		10	10	3.4	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	18		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	18		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Ethylbenzene	0.75	J	1.0	0.50	0.33	ug/L	1		8260B	Total/NA
o-Xylene	0.23	J	1.0	0.50	0.23	ug/L	1		8260B	Total/NA
Toluene	15		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Trichloroethene	0.54	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.3		1.0	1.0	0.47	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.45	J	1.0	0.50	0.31	ug/L	1		8260B	Total/NA
Vinyl chloride	6.4		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	0.23	J	2.0	0.50	0.23	ug/L	1		8260B	Total/NA
Methane (TCD)	17000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	0.44	J M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	260000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	3900		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	180		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Sulfide	1.9		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	120		3.6	1.8	0.55	mg/L	3.57		9060A	Total/NA
Alkalinity	300		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-04-03X — Lab Sample ID: 680-132062-19

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.8		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	6.1		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
o-Xylene	0.26	J	1.0	0.50	0.23	ug/L	1		8260B	Total/NA
Trichloroethene	0.65	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.89	J	1.0	1.0	0.47	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.43	J	1.0	0.50	0.31	ug/L	1		8260B	Total/NA
Vinyl chloride	4.1		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	0.26	J	2.0	0.50	0.23	ug/L	1		8260B	Total/NA
Ethylene	25		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	20000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	2.2	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	110000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	31000	D	100	30	10	ug/L	10		6010C	Dissolved
Arsenic	380		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	9.8		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	390		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: DUP-3 — Lab Sample ID: 680-132062-20

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.4		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	6.7		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.51	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.90	J	1.0	1.0	0.47	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.45	J	1.0	0.50	0.31	ug/L	1		8260B	Total/NA
Vinyl chloride	3.8		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylene	18		1.0	1.0	0.50	ug/L	1		RSK-175	Total/NA
Methane (TCD)	16000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	2.0	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	110000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	33000	D	100	30	10	ug/L	10		6010C	Dissolved
Arsenic	410		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	11		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	400		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-04-02X — Lab Sample ID: 680-132062-21

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	58		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	58		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	160		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.37	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	60		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	8.4		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	48000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	9100		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	180		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: DUP-2 — Lab Sample ID: 680-132062-22

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	55		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	55		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	150		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	64		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	8.5		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	45000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	8000		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	170		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-04-14X — Lab Sample ID: 680-132062-23

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.2	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.5		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Manganese	2.1	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	8.3		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-02-07X — Lab Sample ID: 680-132062-24

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.0	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.4		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.75	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	50		50	50	17	ug/L	1		6010C	Dissolved
Manganese	11		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-12-98X — Lab Sample ID: 680-132062-25

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.81	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.81	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.6		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.69	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	95		50	50	17	ug/L	1		6010C	Dissolved
Manganese	3.1	J	10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: DUP-4 — Lab Sample ID: 680-132062-26

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.77	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.77	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.0		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.68	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	220		50	50	17	ug/L	1		6010C	Dissolved
Manganese	3.8	J	10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-02-06X — Lab Sample ID: 680-132062-27

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-04-11X
Date Collected: 11/10/16 10:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 10:01	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:01	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:01	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:01	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 10:01	1
Carbon disulfide	**0.44**	**J**	2.0	2.0	0.43	ug/L		11/22/16 10:01	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:01	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 10:01	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:01	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 10:01	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:01	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 10:01	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 10:01	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/22/16 10:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 10:01	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 10:01	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:01	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:01	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:01	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 10:01	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 10:01	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 10:01	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 10:01	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:01	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 10:01	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/22/16 10:01	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 10:01	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 10:01	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:01	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 10:01	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:01	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 10:01	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 10:01	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:01	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:01	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 10:01	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 10:01	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:01	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 10:01	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 10:01	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 10:01	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:01	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 10:01	1

Client Sample ID: G6M-04-11X

Date Collected: 11/10/16 10:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 10:01	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 10:01	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:01	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:01	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:01	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:01	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:01	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:01	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 10:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 10:01	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 10:01	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 10:01	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:01	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/22/16 10:01*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/22/16 10:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/22/16 10:01*	*1*
Toluene-d8 (Surr)	*108*		*89 - 112*		*11/22/16 10:01*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U H	2.0	2.0	0.43	ug/L		11/25/16 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/25/16 11:09*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/25/16 11:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 11:09*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 11:09*	*1*

Client Sample ID: G6M-04-31X

Date Collected: 11/10/16 12:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-2

Matrix: Water

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**430**		3.0	3.0	1.5	ug/L		11/17/16 07:15	1

Client Sample ID: G6M-04-15X

Date Collected: 11/10/16 14:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 10:21	1

Client Sample ID: G6M-04-15X
Date Collected: 11/10/16 14:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:21	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:21	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:21	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 10:21	1
Carbon disulfide	**0.46**	**J**	2.0	2.0	0.43	ug/L		11/22/16 10:21	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:21	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 10:21	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:21	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 10:21	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:21	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 10:21	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 10:21	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/22/16 10:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 10:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 10:21	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:21	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:21	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:21	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 10:21	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 10:21	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 10:21	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 10:21	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:21	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 10:21	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/22/16 10:21	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 10:21	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 10:21	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:21	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 10:21	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:21	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 10:21	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 10:21	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:21	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:21	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 10:21	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 10:21	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:21	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 10:21	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 10:21	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 10:21	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:21	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 10:21	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:21	1

Client Sample ID: G6M-04-15X

Date Collected: 11/10/16 14:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 10:21	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 10:21	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:21	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:21	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:21	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:21	1
Trichloroethene	**0.95**	**J**	1.0	1.0	0.48	ug/L		11/22/16 10:21	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:21	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 10:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 10:21	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 10:21	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 10:21	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:21	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*85 - 114*		*11/22/16 10:21*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/22/16 10:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*11/22/16 10:21*	*1*
Toluene-d8 (Surr)	*106*		*89 - 112*		*11/22/16 10:21*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U H	2.0	2.0	0.43	ug/L		11/25/16 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/25/16 11:32*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/25/16 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/25/16 11:32*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*11/25/16 11:32*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**16000**		50	50	17	ug/L		11/15/16 22:21	1
Manganese	**14000**	**J**	10	3.0	1.0	ug/L		11/15/16 22:21	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**55**		3.0	3.0	1.5	ug/L		11/17/16 05:32	1

Client Sample ID: G6M-03-07X

Date Collected: 11/10/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 10:42	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-03-07X
Date Collected: 11/10/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:42	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:42	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:42	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 10:42	1
Carbon disulfide	**0.46**	**J**	2.0	2.0	0.43	ug/L		11/22/16 10:42	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:42	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 10:42	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:42	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 10:42	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:42	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 10:42	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 10:42	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:42	1
cis-1,2-Dichloroethene	**0.44**	**J**	1.0	1.0	0.41	ug/L		11/22/16 10:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 10:42	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 10:42	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:42	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:42	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 10:42	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 10:42	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 10:42	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 10:42	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 10:42	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 10:42	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 10:42	1
1,2-Dichloroethene, Total	**1.8**	**J**	2.0	1.0	0.74	ug/L		11/22/16 10:42	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 10:42	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 10:42	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:42	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 10:42	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:42	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 10:42	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 10:42	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:42	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:42	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 10:42	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 10:42	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 10:42	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 10:42	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 10:42	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 10:42	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:42	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 10:42	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 10:42	1

Client Sample ID: G6M-03-07X
Date Collected: 11/10/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 10:42	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 10:42	1
Toluene	**0.60**	**J**	1.0	1.0	0.48	ug/L		11/22/16 10:42	1
trans-1,2-Dichloroethene	**1.4**		1.0	1.0	0.37	ug/L		11/22/16 10:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:42	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 10:42	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 10:42	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 10:42	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 10:42	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 10:42	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 10:42	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 10:42	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 10:42	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 10:42	1
Vinyl chloride	**0.63**	**J**	1.0	1.0	0.50	ug/L		11/22/16 10:42	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*11/22/16 10:42*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*11/22/16 10:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*		*11/22/16 10:42*	*1*
Toluene-d8 (Surr)	*114*	*Q*	*89 - 112*		*11/22/16 10:42*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U H	2.0	2.0	0.43	ug/L		11/25/16 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*85 - 114*		*11/25/16 11:56*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/25/16 11:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*		*11/25/16 11:56*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*11/25/16 11:56*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 19:03	1
Ethylene	**16**		1.0	1.0	0.50	ug/L		11/22/16 19:03	1
Methane (TCD)	**23000**		390	77	39	ug/L		11/22/16 19:03	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/25/16 10:05	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**81000**		50	50	17	ug/L		11/15/16 22:58	1
Manganese	**1400**		10	3.0	1.0	ug/L		11/15/16 22:58	1

Client Sample ID: G6M-03-07X

Lab Sample ID: 680-132062-4

Date Collected: 11/10/16 15:15

Matrix: Water

Date Received: 11/12/16 09:55

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**420**	**J**	3.0	3.0	1.5	ug/L		11/17/16 05:50	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U J	0.10	0.050	0.019	mg/L		11/15/16 17:46	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	**22**		1.0	0.50	0.16	mg/L		11/23/16 08:06	1
Alkalinity	**170**		5.0	3.2	1.1	mg/L		11/17/16 15:15	1

Client Sample ID: G6M-13-03X

Lab Sample ID: 680-132062-5

Date Collected: 11/10/16 16:55

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 11:02	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 11:02	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:02	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 11:02	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 11:02	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 11:02	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 11:02	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 11:02	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 11:02	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 11:02	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:02	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 11:02	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 11:02	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 11:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/22/16 11:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 11:02	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 11:02	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 11:02	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:02	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 11:02	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 11:02	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 11:02	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 11:02	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 11:02	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:02	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 11:02	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/22/16 11:02	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 11:02	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 11:02	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:02	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 11:02	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 11:02	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 11:02	1

Client Sample ID: G6M-13-03X
Date Collected: 11/10/16 16:55
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 11:02	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 11:02	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 11:02	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 11:02	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 11:02	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 11:02	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 11:02	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 11:02	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 11:02	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 11:02	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 11:02	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 11:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 11:02	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 11:02	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 11:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 11:02	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:02	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:02	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 11:02	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 11:02	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 11:02	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 11:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 11:02	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 11:02	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 11:02	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:02	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*11/22/16 11:02*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/22/16 11:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*11/22/16 11:02*	*1*
Toluene-d8 (Surr)	*104*		*89 - 112*		*11/22/16 11:02*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U H	2.0	2.0	0.43	ug/L		11/25/16 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*85 - 114*		*11/25/16 12:19*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 12:19*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 12:19*	*1*

Client Sample ID: G6M-13-03X

Lab Sample ID: 680-132062-5

Date Collected: 11/10/16 16:55

Matrix: Water

Date Received: 11/12/16 09:55

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**450**		50	50	17	ug/L		11/15/16 23:13	1
Manganese	**420**		10	3.0	1.0	ug/L		11/15/16 23:13	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**2.2**	**J**	3.0	3.0	1.5	ug/L		11/17/16 06:08	1

Client Sample ID: G6M-04-10A

Lab Sample ID: 680-132062-6

Date Collected: 11/09/16 14:20

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 10:38	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 10:38	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 10:38	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 10:38	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 10:38	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 10:38	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 10:38	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 10:38	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 10:38	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 10:38	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 10:38	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 10:38	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 10:38	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 10:38	1
cis-1,2-Dichloroethene	**0.96**	**J**	1.0	1.0	0.41	ug/L		11/23/16 10:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 10:38	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 10:38	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 10:38	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:38	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 10:38	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 10:38	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 10:38	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 10:38	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 10:38	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 10:38	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 10:38	1
1,2-Dichloroethene, Total	**0.96**	**J**	2.0	1.0	0.74	ug/L		11/23/16 10:38	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 10:38	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 10:38	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:38	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 10:38	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 10:38	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 10:38	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 10:38	1

Client Sample ID: G6M-04-10A
Date Collected: 11/09/16 14:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 10:38	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 10:38	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 10:38	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 10:38	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 10:38	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 10:38	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 10:38	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 10:38	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 10:38	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 10:38	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 10:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 10:38	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/23/16 10:38	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 10:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 10:38	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:38	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:38	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 10:38	1
Trichloroethene	**0.49**	**J**	1.0	1.0	0.48	ug/L		11/23/16 10:38	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 10:38	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 10:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 10:38	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 10:38	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 10:38	1
Vinyl chloride	**1.4**		1.0	1.0	0.50	ug/L		11/23/16 10:38	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/23/16 10:38*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/23/16 10:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*11/23/16 10:38*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/23/16 10:38*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 20:18	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 20:18	1
Methane (TCD)	**7100**		390	77	39	ug/L		11/22/16 20:18	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**17**	**M**	1.0	1.0	0.40	mg/L		11/25/16 13:51	1

Client Sample ID: G6M-04-10A

Lab Sample ID: 680-132062-6

Date Collected: 11/09/16 14:20

Matrix: Water

Date Received: 11/12/16 09:55

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**92000**		50	50	17	ug/L		11/15/16 23:19	1
Manganese	**3200**		10	3.0	1.0	ug/L		11/15/16 23:19	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**220**		3.0	3.0	1.5	ug/L		11/17/16 06:11	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 17:52	1
Sulfide	**1.5**		1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	**5.5**		1.0	0.50	0.16	mg/L		11/23/16 08:24	1
Alkalinity	**86**	**B**	5.0	3.2	1.1	mg/L		11/15/16 12:19	1

Client Sample ID: G6M-07-02X

Lab Sample ID: 680-132062-7

Date Collected: 11/09/16 16:20

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	200	U	200	200	140	ug/L		11/22/16 15:08	20
Benzene	20	U	20	20	8.6	ug/L		11/22/16 15:08	20
Bromobenzene	20	U	20	20	10	ug/L		11/22/16 15:08	20
Bromoform	20	U	20	20	8.6	ug/L		11/22/16 15:08	20
Bromomethane	100	U	100	100	50	ug/L		11/22/16 15:08	20
2-Butanone (MEK)	200	U	200	200	68	ug/L		11/22/16 15:08	20
Carbon disulfide	40	U	40	40	8.6	ug/L		11/22/16 15:08	20
Carbon tetrachloride	10	U	20	10	6.6	ug/L		11/22/16 15:08	20
Chlorobenzene	10	U	20	10	5.2	ug/L		11/22/16 15:08	20
Chlorobromomethane	20	U	20	20	9.0	ug/L		11/22/16 15:08	20
Chlorodibromomethane	10	U	20	10	6.4	ug/L		11/22/16 15:08	20
Chloroethane	100	U	100	100	50	ug/L		11/22/16 15:08	20
Chloroform	20	U	20	20	10	ug/L		11/22/16 15:08	20
Chloromethane	20	U	20	20	8.0	ug/L		11/22/16 15:08	20
2-Chlorotoluene	10	U	20	10	5.4	ug/L		11/22/16 15:08	20
4-Chlorotoluene	20	U	20	20	9.0	ug/L		11/22/16 15:08	20
cis-1,2-Dichloroethene	20	U	20	20	8.2	ug/L		11/22/16 15:08	20
cis-1,3-Dichloropropene	20	U	20	20	8.0	ug/L		11/22/16 15:08	20
1,2-Dibromo-3-Chloropropane	40	U	100	40	22	ug/L		11/22/16 15:08	20
Dibromomethane	20	U	20	20	7.0	ug/L		11/22/16 15:08	20
1,2-Dichlorobenzene	20	U	20	20	7.4	ug/L		11/22/16 15:08	20
1,3-Dichlorobenzene	20	U	20	20	8.6	ug/L		11/22/16 15:08	20
1,4-Dichlorobenzene	20	U	20	20	9.2	ug/L		11/22/16 15:08	20
Dichlorobromomethane	20	U	20	20	8.8	ug/L		11/22/16 15:08	20
Dichlorodifluoromethane	20	U	20	20	12	ug/L		11/22/16 15:08	20
1,1-Dichloroethane	20	U	20	20	7.6	ug/L		11/22/16 15:08	20
1,2-Dichloroethane	20	U	20	20	10	ug/L		11/22/16 15:08	20
1,1-Dichloroethene	20	U	20	20	7.2	ug/L		11/22/16 15:08	20
1,2-Dichloroethene, Total	20	U	40	20	15	ug/L		11/22/16 15:08	20
1,2-Dichloropropane	20	U	20	20	13	ug/L		11/22/16 15:08	20

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-07-02X
Date Collected: 11/09/16 16:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	20	U	20	20	6.8	ug/L		11/22/16 15:08	20
2,2-Dichloropropane	20	U	20	20	7.4	ug/L		11/22/16 15:08	20
1,1-Dichloropropene	20	U	20	20	6.8	ug/L		11/22/16 15:08	20
Ethylbenzene	10	U	20	10	6.6	ug/L		11/22/16 15:08	20
Ethylene Dibromide	20	U	20	20	8.8	ug/L		11/22/16 15:08	20
Hexachlorobutadiene	100	U	100	100	50	ug/L		11/22/16 15:08	20
2-Hexanone	100	U	200	100	40	ug/L		11/22/16 15:08	20
Isopropylbenzene	20	U	20	20	7.0	ug/L		11/22/16 15:08	20
4-Isopropyltoluene	20	U	20	20	9.6	ug/L		11/22/16 15:08	20
Methylene Chloride	100	U	100	100	50	ug/L		11/22/16 15:08	20
4-Methyl-2-pentanone (MIBK)	100	U	200	100	42	ug/L		11/22/16 15:08	20
Methyl tert-butyl ether	10	U	200	10	6.0	ug/L		11/22/16 15:08	20
m-Xylene & p-Xylene	20	U	20	20	7.0	ug/L		11/22/16 15:08	20
Naphthalene	100	U	100	100	50	ug/L		11/22/16 15:08	20
n-Butylbenzene	20	U	20	20	9.4	ug/L		11/22/16 15:08	20
N-Propylbenzene	20	U	20	20	7.6	ug/L		11/22/16 15:08	20
o-Xylene	10	U	20	10	4.6	ug/L		11/22/16 15:08	20
sec-Butylbenzene	20	U	20	20	8.4	ug/L		11/22/16 15:08	20
Styrene	10	U	20	10	5.4	ug/L		11/22/16 15:08	20
tert-Butylbenzene	20	U	20	20	9.0	ug/L		11/22/16 15:08	20
1,1,1,2-Tetrachloroethane	20	U	20	20	7.4	ug/L		11/22/16 15:08	20
1,1,2,2-Tetrachloroethane	20	U	20	20	12	ug/L		11/22/16 15:08	20
Tetrachloroethene	**3200**	**D**	20	20	15	ug/L		11/22/16 15:08	20
Toluene	20	U	20	20	9.6	ug/L		11/22/16 15:08	20
trans-1,2-Dichloroethene	20	U	20	20	7.4	ug/L		11/22/16 15:08	20
trans-1,3-Dichloropropene	20	U	20	20	8.4	ug/L		11/22/16 15:08	20
1,2,3-Trichlorobenzene	100	U	100	100	50	ug/L		11/22/16 15:08	20
1,2,4-Trichlorobenzene	100	U	100	100	50	ug/L		11/22/16 15:08	20
1,1,1-Trichloroethane	20	U	20	20	7.4	ug/L		11/22/16 15:08	20
1,1,2-Trichloroethane	10	U	20	10	6.6	ug/L		11/22/16 15:08	20
Trichloroethene	20	U	20	20	9.6	ug/L		11/22/16 15:08	20
Trichlorofluoromethane	20	U	20	20	8.4	ug/L		11/22/16 15:08	20
1,2,3-Trichloropropane	20	U	20	20	7.8	ug/L		11/22/16 15:08	20
1,2,4-Trimethylbenzene	20	U	20	20	9.4	ug/L		11/22/16 15:08	20
1,3,5-Trimethylbenzene	10	U	20	10	6.2	ug/L		11/22/16 15:08	20
Vinyl acetate	40	U	40	40	16	ug/L		11/22/16 15:08	20
Vinyl chloride	20	U	20	20	10	ug/L		11/22/16 15:08	20
Xylenes, Total	10	U	40	10	4.6	ug/L		11/22/16 15:08	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*85 - 114*		*11/22/16 15:08*	*20*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/22/16 15:08*	*20*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/22/16 15:08*	*20*
Toluene-d8 (Surr)	*111*		*89 - 112*		*11/22/16 15:08*	*20*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 20:31	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 20:31	1
Methane	**100**		0.58	0.58	0.29	ug/L		11/22/16 20:31	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	6.0	M	1.0	1.0	0.40	mg/L		11/25/16 15:18	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	100		50	50	17	ug/L		11/15/16 23:24	1
Manganese	41		10	3.0	1.0	ug/L		11/15/16 23:24	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 06:15	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.062	J	0.10	0.050	0.019	mg/L		11/15/16 17:54	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	0.93	J	1.0	0.50	0.16	mg/L		11/23/16 08:38	1
Alkalinity	15		5.0	3.2	1.1	mg/L		11/17/16 10:44	1

Client Sample ID: DUP-5

Lab Sample ID: 680-132062-8

Date Collected: 11/09/16 15:50

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	200	U	200	200	140	ug/L		11/22/16 15:28	20
Benzene	20	U	20	20	8.6	ug/L		11/22/16 15:28	20
Bromobenzene	20	U	20	20	10	ug/L		11/22/16 15:28	20
Bromoform	20	U	20	20	8.6	ug/L		11/22/16 15:28	20
Bromomethane	100	U	100	100	50	ug/L		11/22/16 15:28	20
2-Butanone (MEK)	200	U	200	200	68	ug/L		11/22/16 15:28	20
Carbon disulfide	40	U	40	40	8.6	ug/L		11/22/16 15:28	20
Carbon tetrachloride	10	U	20	10	6.6	ug/L		11/22/16 15:28	20
Chlorobenzene	10	U	20	10	5.2	ug/L		11/22/16 15:28	20
Chlorobromomethane	20	U	20	20	9.0	ug/L		11/22/16 15:28	20
Chlorodibromomethane	10	U	20	10	6.4	ug/L		11/22/16 15:28	20
Chloroethane	100	U	100	100	50	ug/L		11/22/16 15:28	20
Chloroform	20	U	20	20	10	ug/L		11/22/16 15:28	20
Chloromethane	20	U	20	20	8.0	ug/L		11/22/16 15:28	20
2-Chlorotoluene	10	U	20	10	5.4	ug/L		11/22/16 15:28	20
4-Chlorotoluene	20	U	20	20	9.0	ug/L		11/22/16 15:28	20
cis-1,2-Dichloroethene	20	U	20	20	8.2	ug/L		11/22/16 15:28	20
cis-1,3-Dichloropropene	20	U	20	20	8.0	ug/L		11/22/16 15:28	20
1,2-Dibromo-3-Chloropropane	40	U	100	40	22	ug/L		11/22/16 15:28	20
Dibromomethane	20	U	20	20	7.0	ug/L		11/22/16 15:28	20
1,2-Dichlorobenzene	20	U	20	20	7.4	ug/L		11/22/16 15:28	20
1,3-Dichlorobenzene	20	U	20	20	8.6	ug/L		11/22/16 15:28	20
1,4-Dichlorobenzene	20	U	20	20	9.2	ug/L		11/22/16 15:28	20
Dichlorobromomethane	20	U	20	20	8.8	ug/L		11/22/16 15:28	20
Dichlorodifluoromethane	20	U	20	20	12	ug/L		11/22/16 15:28	20
1,1-Dichloroethane	20	U	20	20	7.6	ug/L		11/22/16 15:28	20
1,2-Dichloroethane	20	U	20	20	10	ug/L		11/22/16 15:28	20
1,1-Dichloroethene	20	U	20	20	7.2	ug/L		11/22/16 15:28	20
1,2-Dichloroethene, Total	20	U	40	20	15	ug/L		11/22/16 15:28	20
1,2-Dichloropropane	20	U	20	20	13	ug/L		11/22/16 15:28	20

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: DUP-5
Date Collected: 11/09/16 15:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	20	U	20	20	6.8	ug/L		11/22/16 15:28	20
2,2-Dichloropropane	20	U	20	20	7.4	ug/L		11/22/16 15:28	20
1,1-Dichloropropene	20	U	20	20	6.8	ug/L		11/22/16 15:28	20
Ethylbenzene	10	U	20	10	6.6	ug/L		11/22/16 15:28	20
Ethylene Dibromide	20	U	20	20	8.8	ug/L		11/22/16 15:28	20
Hexachlorobutadiene	100	U	100	100	50	ug/L		11/22/16 15:28	20
2-Hexanone	100	U	200	100	40	ug/L		11/22/16 15:28	20
Isopropylbenzene	20	U	20	20	7.0	ug/L		11/22/16 15:28	20
4-Isopropyltoluene	20	U	20	20	9.6	ug/L		11/22/16 15:28	20
Methylene Chloride	100	U	100	100	50	ug/L		11/22/16 15:28	20
4-Methyl-2-pentanone (MIBK)	100	U	200	100	42	ug/L		11/22/16 15:28	20
Methyl tert-butyl ether	10	U	200	10	6.0	ug/L		11/22/16 15:28	20
m-Xylene & p-Xylene	20	U	20	20	7.0	ug/L		11/22/16 15:28	20
Naphthalene	100	U	100	100	50	ug/L		11/22/16 15:28	20
n-Butylbenzene	20	U	20	20	9.4	ug/L		11/22/16 15:28	20
N-Propylbenzene	20	U	20	20	7.6	ug/L		11/22/16 15:28	20
o-Xylene	10	U	20	10	4.6	ug/L		11/22/16 15:28	20
sec-Butylbenzene	20	U	20	20	8.4	ug/L		11/22/16 15:28	20
Styrene	10	U	20	10	5.4	ug/L		11/22/16 15:28	20
tert-Butylbenzene	20	U	20	20	9.0	ug/L		11/22/16 15:28	20
1,1,1,2-Tetrachloroethane	20	U	20	20	7.4	ug/L		11/22/16 15:28	20
1,1,2,2-Tetrachloroethane	20	U	20	20	12	ug/L		11/22/16 15:28	20
Tetrachloroethene	**3000**	**D**	20	20	15	ug/L		11/22/16 15:28	20
Toluene	20	U	20	20	9.6	ug/L		11/22/16 15:28	20
trans-1,2-Dichloroethene	20	U	20	20	7.4	ug/L		11/22/16 15:28	20
trans-1,3-Dichloropropene	20	U	20	20	8.4	ug/L		11/22/16 15:28	20
1,2,3-Trichlorobenzene	100	U	100	100	50	ug/L		11/22/16 15:28	20
1,2,4-Trichlorobenzene	100	U	100	100	50	ug/L		11/22/16 15:28	20
1,1,1-Trichloroethane	20	U	20	20	7.4	ug/L		11/22/16 15:28	20
1,1,2-Trichloroethane	10	U	20	10	6.6	ug/L		11/22/16 15:28	20
Trichloroethene	20	U	20	20	9.6	ug/L		11/22/16 15:28	20
Trichlorofluoromethane	20	U	20	20	8.4	ug/L		11/22/16 15:28	20
1,2,3-Trichloropropane	20	U	20	20	7.8	ug/L		11/22/16 15:28	20
1,2,4-Trimethylbenzene	20	U	20	20	9.4	ug/L		11/22/16 15:28	20
1,3,5-Trimethylbenzene	10	U	20	10	6.2	ug/L		11/22/16 15:28	20
Vinyl acetate	40	U	40	40	16	ug/L		11/22/16 15:28	20
Vinyl chloride	20	U	20	20	10	ug/L		11/22/16 15:28	20
Xylenes, Total	10	U	40	10	4.6	ug/L		11/22/16 15:28	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/22/16 15:28*	*20*
Dibromofluoromethane (Surr)	*101*		*80 - 119*		*11/22/16 15:28*	*20*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*		*11/22/16 15:28*	*20*
Toluene-d8 (Surr)	*112*		*89 - 112*		*11/22/16 15:28*	*20*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 20:44	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 20:44	1
Methane	**100**		0.58	0.58	0.29	ug/L		11/22/16 20:44	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	6.0	M	1.0	1.0	0.40	mg/L		11/25/16 15:35	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	98		50	50	17	ug/L		11/16/16 01:55	1
Manganese	40		10	3.0	1.0	ug/L		11/16/16 01:55	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 00:31	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.067	J	0.10	0.050	0.019	mg/L		11/15/16 17:56	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	0.92	J	1.0	0.50	0.16	mg/L		11/23/16 08:53	1
Alkalinity	15		5.0	3.2	1.1	mg/L		11/15/16 15:53	1

Client Sample ID: G6M-04-13X

Lab Sample ID: 680-132062-9

Date Collected: 11/10/16 07:40

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 11:43	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 11:43	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:43	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 11:43	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 11:43	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 11:43	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 11:43	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 11:43	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 11:43	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 11:43	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:43	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 11:43	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 11:43	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 11:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/22/16 11:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 11:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 11:43	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 11:43	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:43	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 11:43	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 11:43	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 11:43	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 11:43	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 11:43	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:43	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 11:43	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/22/16 11:43	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 11:43	1

Client Sample ID: G6M-04-13X
Date Collected: 11/10/16 07:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 11:43	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:43	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 11:43	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 11:43	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 11:43	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 11:43	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 11:43	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 11:43	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 11:43	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 11:43	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 11:43	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 11:43	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 11:43	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 11:43	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 11:43	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 11:43	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 11:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 11:43	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 11:43	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 11:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 11:43	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 11:43	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 11:43	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 11:43	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 11:43	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 11:43	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 11:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 11:43	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 11:43	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 11:43	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 11:43	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*85 - 114*		*11/22/16 11:43*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 119*		*11/22/16 11:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/22/16 11:43*	*1*
Toluene-d8 (Surr)	*111*		*89 - 112*		*11/22/16 11:43*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 00:57	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/16/16 00:57	1

Client Sample ID: G6M-04-13X

Lab Sample ID: 680-132062-9

Date Collected: 11/10/16 07:40

Matrix: Water

Date Received: 11/12/16 09:55

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 07:12	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-132062-10

Date Collected: 11/10/16 00:00

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 09:40	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 09:40	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 09:40	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 09:40	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 09:40	1
Carbon disulfide	**0.50**	**J**	2.0	2.0	0.43	ug/L		11/22/16 09:40	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 09:40	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 09:40	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 09:40	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 09:40	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 09:40	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 09:40	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 09:40	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 09:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/22/16 09:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 09:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 09:40	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 09:40	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 09:40	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 09:40	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 09:40	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 09:40	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 09:40	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 09:40	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 09:40	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 09:40	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/22/16 09:40	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 09:40	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 09:40	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 09:40	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 09:40	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 09:40	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 09:40	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 09:40	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 09:40	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 09:40	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 09:40	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 09:40	1

Client Sample ID: Trip Blank

Date Collected: 11/10/16 00:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 09:40	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 09:40	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 09:40	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 09:40	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 09:40	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 09:40	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 09:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 09:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 09:40	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 09:40	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 09:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 09:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 09:40	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 09:40	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 09:40	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 09:40	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 09:40	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 09:40	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 09:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 09:40	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 09:40	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 09:40	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 09:40	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*		*11/22/16 09:40*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*11/22/16 09:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*11/22/16 09:40*	*1*
Toluene-d8 (Surr)	*96*		*89 - 112*		*11/22/16 09:40*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U H	2.0	2.0	0.43	ug/L		11/25/16 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/25/16 10:45*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*11/25/16 10:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/25/16 10:45*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 10:45*	*1*

Client Sample ID: G6M-02-08X

Date Collected: 11/10/16 08:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**180**		10	10	7.0	ug/L		11/22/16 12:03	1

Client Sample ID: G6M-02-08X
Date Collected: 11/10/16 08:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:03	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:03	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:03	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
2-Butanone (MEK)	**840**		10	10	3.4	ug/L		11/22/16 12:03	1
Carbon disulfide	**0.52**	**J**	2.0	2.0	0.43	ug/L		11/22/16 12:03	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:03	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 12:03	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:03	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 12:03	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:03	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 12:03	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 12:03	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:03	1
cis-1,2-Dichloroethene	**27**		1.0	1.0	0.41	ug/L		11/22/16 12:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 12:03	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 12:03	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 12:03	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:03	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:03	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 12:03	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 12:03	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 12:03	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 12:03	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:03	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 12:03	1
1,2-Dichloroethene, Total	**27**		2.0	1.0	0.74	ug/L		11/22/16 12:03	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 12:03	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 12:03	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:03	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 12:03	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:03	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 12:03	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
2-Hexanone	**190**		10	5.0	2.0	ug/L		11/22/16 12:03	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 12:03	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 12:03	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 12:03	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 12:03	1
m-Xylene & p-Xylene	**0.49**	**J**	1.0	1.0	0.35	ug/L		11/22/16 12:03	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 12:03	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 12:03	1
o-Xylene	**0.26**	**J**	1.0	0.50	0.23	ug/L		11/22/16 12:03	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:03	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 12:03	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:03	1

Client Sample ID: G6M-02-08X
Date Collected: 11/10/16 08:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 12:03	1
Tetrachloroethene	**4.3**		1.0	1.0	0.74	ug/L		11/22/16 12:03	1
Toluene	**67**		1.0	1.0	0.48	ug/L		11/22/16 12:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:03	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:03	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:03	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:03	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 12:03	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:03	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 12:03	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 12:03	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 12:03	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 12:03	1
Vinyl chloride	**2.1**		1.0	1.0	0.50	ug/L		11/22/16 12:03	1
Xylenes, Total	**0.75**	**J**	2.0	0.50	0.23	ug/L		11/22/16 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/22/16 12:03*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 119*		*11/22/16 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/22/16 12:03*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/22/16 12:03*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon disulfide	2.0	U H	2.0	2.0	0.43	ug/L		11/25/16 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*85 - 114*		*11/25/16 12:43*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/25/16 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 12:43*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*11/25/16 12:43*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 20:57	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 20:57	1
Methane (TCD)	**11000**		390	77	39	ug/L		11/22/16 20:57	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**0.58**	**J M**	1.0	1.0	0.40	mg/L		11/25/16 15:53	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**880000**		50	50	17	ug/L		11/15/16 23:39	1
Manganese	**8600**		10	3.0	1.0	ug/L		11/15/16 23:39	1

Client Sample ID: G6M-02-08X

Lab Sample ID: 680-132062-11

Date Collected: 11/10/16 08:40

Matrix: Water

Date Received: 11/12/16 09:55

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**230**		3.0	3.0	1.5	ug/L		11/17/16 06:19	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	**0.053**	**J**	0.10	0.050	0.019	mg/L		11/15/16 17:58	1
Sulfide	**7.0**		1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	**2100**		50	25	7.8	mg/L		11/23/16 09:48	50
Alkalinity	**1000**		5.0	3.2	1.1	mg/L		11/17/16 15:21	1

Client Sample ID: G6M-03-01X

Lab Sample ID: 680-132062-12

Date Collected: 11/10/16 10:00

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**15**		10	10	7.0	ug/L		11/22/16 12:24	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:24	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:24	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:24	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
2-Butanone (MEK)	**17**		10	10	3.4	ug/L		11/22/16 12:24	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 12:24	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:24	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 12:24	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:24	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 12:24	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:24	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 12:24	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 12:24	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:24	1
cis-1,2-Dichloroethene	**180**		1.0	1.0	0.41	ug/L		11/22/16 12:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 12:24	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 12:24	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 12:24	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:24	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:24	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 12:24	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 12:24	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 12:24	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 12:24	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:24	1
1,1-Dichloroethene	**1.4**		1.0	1.0	0.36	ug/L		11/22/16 12:24	1
1,2-Dichloroethene, Total	**180**		2.0	1.0	0.74	ug/L		11/22/16 12:24	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 12:24	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 12:24	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:24	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 12:24	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:24	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 12:24	1

Client Sample ID: G6M-03-01X

Date Collected: 11/10/16 10:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
2-Hexanone	**11**		10	5.0	2.0	ug/L		11/22/16 12:24	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 12:24	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 12:24	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 12:24	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 12:24	1
m-Xylene & p-Xylene	**0.71**	**J**	1.0	1.0	0.35	ug/L		11/22/16 12:24	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 12:24	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 12:24	1
o-Xylene	**0.31**	**J**	1.0	0.50	0.23	ug/L		11/22/16 12:24	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:24	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 12:24	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 12:24	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 12:24	1
Toluene	**0.89**	**J**	1.0	1.0	0.48	ug/L		11/22/16 12:24	1
trans-1,2-Dichloroethene	**4.0**		1.0	1.0	0.37	ug/L		11/22/16 12:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:24	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:24	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:24	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:24	1
Trichloroethene	**130**		1.0	1.0	0.48	ug/L		11/22/16 12:24	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:24	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 12:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 12:24	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 12:24	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 12:24	1
Vinyl chloride	**140**		1.0	1.0	0.50	ug/L		11/22/16 12:24	1
Xylenes, Total	**1.0**	**J**	2.0	0.50	0.23	ug/L		11/22/16 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/22/16 12:24*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/22/16 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/22/16 12:24*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/22/16 12:24*	*1*

Client Sample ID: DUP-1

Date Collected: 11/10/16 10:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-13

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**14**		10	10	7.0	ug/L		11/22/16 12:44	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:44	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:44	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:44	1

Client Sample ID: DUP-1
Date Collected: 11/10/16 10:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
2-Butanone (MEK)	**9.8**	**J**	10	10	3.4	ug/L		11/22/16 12:44	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 12:44	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:44	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 12:44	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:44	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 12:44	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:44	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 12:44	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 12:44	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:44	1
cis-1,2-Dichloroethene	**180**		1.0	1.0	0.41	ug/L		11/22/16 12:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 12:44	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 12:44	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 12:44	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:44	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 12:44	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 12:44	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 12:44	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 12:44	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 12:44	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 12:44	1
1,1-Dichloroethene	**1.4**		1.0	1.0	0.36	ug/L		11/22/16 12:44	1
1,2-Dichloroethene, Total	**180**		2.0	1.0	0.74	ug/L		11/22/16 12:44	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 12:44	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 12:44	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:44	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 12:44	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:44	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 12:44	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 12:44	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 12:44	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 12:44	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 12:44	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 12:44	1
m-Xylene & p-Xylene	**0.73**	**J**	1.0	1.0	0.35	ug/L		11/22/16 12:44	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 12:44	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 12:44	1
o-Xylene	**0.29**	**J**	1.0	0.50	0.23	ug/L		11/22/16 12:44	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:44	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 12:44	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 12:44	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 12:44	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 12:44	1

Client Sample ID: DUP-1

Lab Sample ID: 680-132062-13

Date Collected: 11/10/16 10:30

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Toluene	**0.55**	**J**	1.0	1.0	0.48	ug/L		11/22/16 12:44	1
trans-1,2-Dichloroethene	**4.1**		1.0	1.0	0.37	ug/L		11/22/16 12:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:44	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 12:44	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 12:44	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 12:44	1
Trichloroethene	**130**		1.0	1.0	0.48	ug/L		11/22/16 12:44	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 12:44	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 12:44	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 12:44	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 12:44	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 12:44	1
Vinyl chloride	**140**		1.0	1.0	0.50	ug/L		11/22/16 12:44	1
Xylenes, Total	**1.0**	**J**	2.0	0.50	0.23	ug/L		11/22/16 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*85 - 114*		*11/22/16 12:44*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/22/16 12:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*		*11/22/16 12:44*	*1*
Toluene-d8 (Surr)	*107*		*89 - 112*		*11/22/16 12:44*	*1*

Client Sample ID: G6M-13-01X

Lab Sample ID: 680-132062-14

Date Collected: 11/11/16 09:15

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 13:05	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:05	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:05	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:05	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 13:05	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 13:05	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:05	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 13:05	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:05	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 13:05	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:05	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 13:05	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 13:05	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:05	1
cis-1,2-Dichloroethene	**6.5**		1.0	1.0	0.41	ug/L		11/22/16 13:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 13:05	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 13:05	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:05	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:05	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:05	1

Client Sample ID: G6M-13-01X
Date Collected: 11/11/16 09:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 13:05	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 13:05	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 13:05	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 13:05	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:05	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 13:05	1
1,2-Dichloroethene, Total	**6.5**		2.0	1.0	0.74	ug/L		11/22/16 13:05	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 13:05	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 13:05	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:05	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 13:05	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:05	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 13:05	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 13:05	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:05	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 13:05	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 13:05	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 13:05	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:05	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 13:05	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 13:05	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 13:05	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:05	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 13:05	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:05	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 13:05	1
Tetrachloroethene	**27**		1.0	1.0	0.74	ug/L		11/22/16 13:05	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 13:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:05	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:05	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:05	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:05	1
Trichloroethene	**3.5**		1.0	1.0	0.48	ug/L		11/22/16 13:05	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:05	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 13:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 13:05	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 13:05	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 13:05	1
Vinyl chloride	**2.8**		1.0	1.0	0.50	ug/L		11/22/16 13:05	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*85 - 114*		*11/22/16 13:05*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 119*		*11/22/16 13:05*	*1*

Client Sample ID: G6M-13-01X

Lab Sample ID: 680-132062-14
Date Collected: 11/11/16 09:15
Matrix: Water
Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*		*11/22/16 13:05*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/22/16 13:05*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**1200**		50	50	17	ug/L		11/16/16 15:40	1
Manganese	**29**		10	3.0	1.0	ug/L		11/16/16 15:40	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**3.5**		3.0	3.0	1.5	ug/L		11/16/16 22:27	1

Client Sample ID: G6M-13-04X

Lab Sample ID: 680-132062-15
Date Collected: 11/11/16 10:55
Matrix: Water
Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 13:25	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:25	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:25	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:25	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 13:25	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 13:25	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:25	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 13:25	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:25	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 13:25	1
Chloroethane	**3.9**	**J**	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:25	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 13:25	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 13:25	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:25	1
cis-1,2-Dichloroethene	**17**		1.0	1.0	0.41	ug/L		11/22/16 13:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 13:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 13:25	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:25	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:25	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:25	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 13:25	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 13:25	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 13:25	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 13:25	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:25	1
1,1-Dichloroethene	**0.62**	**J**	1.0	1.0	0.36	ug/L		11/22/16 13:25	1
1,2-Dichloroethene, Total	**18**		2.0	1.0	0.74	ug/L		11/22/16 13:25	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 13:25	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 13:25	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:25	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-13-04X
Date Collected: 11/11/16 10:55
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 13:25	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:25	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 13:25	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 13:25	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:25	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 13:25	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 13:25	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 13:25	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:25	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 13:25	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 13:25	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 13:25	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:25	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 13:25	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 13:25	1
Tetrachloroethene	**4.9**		1.0	1.0	0.74	ug/L		11/22/16 13:25	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 13:25	1
trans-1,2-Dichloroethene	**0.86**	**J**	1.0	1.0	0.37	ug/L		11/22/16 13:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:25	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:25	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:25	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:25	1
Trichloroethene	**17**		1.0	1.0	0.48	ug/L		11/22/16 13:25	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:25	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 13:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 13:25	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 13:25	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 13:25	1
Vinyl chloride	**36**		1.0	1.0	0.50	ug/L		11/22/16 13:25	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*11/22/16 13:25*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/22/16 13:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/22/16 13:25*	*1*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/22/16 13:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**2.2**		1.1	1.1	0.55	ug/L		11/22/16 21:10	1
Ethylene	**12**		1.0	1.0	0.50	ug/L		11/22/16 21:10	1
Methane (TCD)	**7000**		390	77	39	ug/L		11/22/16 21:10	1

Client Sample ID: G6M-13-04X

Lab Sample ID: 680-132062-15

Date Collected: 11/11/16 10:55

Matrix: Water

Date Received: 11/12/16 09:55

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**4.0**	**M**	1.0	1.0	0.40	mg/L		11/25/16 16:10	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**28000**		50	50	17	ug/L		11/15/16 23:45	1
Manganese	**7600**		10	3.0	1.0	ug/L		11/15/16 23:45	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**340**		3.0	3.0	1.5	ug/L		11/17/16 06:22	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 18:00	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	**1.6**		1.0	0.50	0.16	mg/L		11/23/16 10:07	1
Alkalinity	**250**	**B**	5.0	3.2	1.1	mg/L		11/17/16 11:54	1

Client Sample ID: MW-3

Lab Sample ID: 680-132062-16

Date Collected: 11/11/16 12:40

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 13:46	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:46	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:46	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:46	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 13:46	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 13:46	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:46	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 13:46	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:46	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 13:46	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:46	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 13:46	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 13:46	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:46	1
cis-1,2-Dichloroethene	**1.7**		1.0	1.0	0.41	ug/L		11/22/16 13:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 13:46	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 13:46	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:46	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:46	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 13:46	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 13:46	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 13:46	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 13:46	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 13:46	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: MW-3
Date Collected: 11/11/16 12:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 13:46	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 13:46	1
1,2-Dichloroethene, Total	**2.1**		2.0	1.0	0.74	ug/L		11/22/16 13:46	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 13:46	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 13:46	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:46	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 13:46	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:46	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 13:46	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 13:46	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:46	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 13:46	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 13:46	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 13:46	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 13:46	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 13:46	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 13:46	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 13:46	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:46	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 13:46	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 13:46	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 13:46	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 13:46	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 13:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:46	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 13:46	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 13:46	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 13:46	1
Trichloroethene	**0.96**	**J**	1.0	1.0	0.48	ug/L		11/22/16 13:46	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 13:46	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 13:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 13:46	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 13:46	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 13:46	1
Vinyl chloride	**1.6**		1.0	1.0	0.50	ug/L		11/22/16 13:46	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/22/16 13:46*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/22/16 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/22/16 13:46*	*1*
Toluene-d8 (Surr)	*108*		*89 - 112*		*11/22/16 13:46*	*1*

Client Sample ID: MW-3

Date Collected: 11/11/16 12:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-16

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**2.9**		1.1	1.1	0.55	ug/L		11/22/16 21:22	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 21:22	1
Methane (TCD)	**7000**		390	77	39	ug/L		11/22/16 21:22	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**1.4**	**M**	1.0	1.0	0.40	mg/L		11/25/16 14:08	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**47000**	**J**	50	50	17	ug/L		11/16/16 01:18	1
Manganese	**9500**	**J**	10	3.0	1.0	ug/L		11/16/16 01:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**410**		3.0	3.0	1.5	ug/L		11/17/16 00:13	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 18:14	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	**6.4**		1.0	0.50	0.16	mg/L		11/24/16 00:43	1
Alkalinity	**370**	**B**	5.0	3.2	1.1	mg/L		11/17/16 12:00	1

Client Sample ID: G6M-13-05X

Date Collected: 11/10/16 10:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	100	U	100	100	70	ug/L		11/22/16 15:49	10
Benzene	10	U	10	10	4.3	ug/L		11/22/16 15:49	10
Bromobenzene	10	U	10	10	5.0	ug/L		11/22/16 15:49	10
Bromoform	10	U	10	10	4.3	ug/L		11/22/16 15:49	10
Bromomethane	50	U	50	50	25	ug/L		11/22/16 15:49	10
2-Butanone (MEK)	100	U	100	100	34	ug/L		11/22/16 15:49	10
Carbon disulfide	20	U	20	20	4.3	ug/L		11/22/16 15:49	10
Carbon tetrachloride	5.0	U	10	5.0	3.3	ug/L		11/22/16 15:49	10
Chlorobenzene	5.0	U	10	5.0	2.6	ug/L		11/22/16 15:49	10
Chlorobromomethane	10	U	10	10	4.5	ug/L		11/22/16 15:49	10
Chlorodibromomethane	5.0	U	10	5.0	3.2	ug/L		11/22/16 15:49	10
Chloroethane	50	U	50	50	25	ug/L		11/22/16 15:49	10
Chloroform	10	U	10	10	5.0	ug/L		11/22/16 15:49	10
Chloromethane	10	U	10	10	4.0	ug/L		11/22/16 15:49	10
2-Chlorotoluene	5.0	U	10	5.0	2.7	ug/L		11/22/16 15:49	10
4-Chlorotoluene	10	U	10	10	4.5	ug/L		11/22/16 15:49	10
cis-1,2-Dichloroethene	**31**	**D**	10	10	4.1	ug/L		11/22/16 15:49	10
cis-1,3-Dichloropropene	10	U	10	10	4.0	ug/L		11/22/16 15:49	10
1,2-Dibromo-3-Chloropropane	20	U	50	20	11	ug/L		11/22/16 15:49	10
Dibromomethane	10	U	10	10	3.5	ug/L		11/22/16 15:49	10
1,2-Dichlorobenzene	10	U	10	10	3.7	ug/L		11/22/16 15:49	10

Client Sample ID: G6M-13-05X
Date Collected: 11/10/16 10:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-17
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichlorobenzene	10	U	10	10	4.3	ug/L		11/22/16 15:49	10
1,4-Dichlorobenzene	10	U	10	10	4.6	ug/L		11/22/16 15:49	10
Dichlorobromomethane	10	U	10	10	4.4	ug/L		11/22/16 15:49	10
Dichlorodifluoromethane	10	U	10	10	6.0	ug/L		11/22/16 15:49	10
1,1-Dichloroethane	10	U	10	10	3.8	ug/L		11/22/16 15:49	10
1,2-Dichloroethane	10	U	10	10	5.0	ug/L		11/22/16 15:49	10
1,1-Dichloroethene	10	U	10	10	3.6	ug/L		11/22/16 15:49	10
1,2-Dichloroethene, Total	**31**	**D**	20	10	7.4	ug/L		11/22/16 15:49	10
1,2-Dichloropropane	10	U	10	10	6.7	ug/L		11/22/16 15:49	10
1,3-Dichloropropane	10	U	10	10	3.4	ug/L		11/22/16 15:49	10
2,2-Dichloropropane	10	U	10	10	3.7	ug/L		11/22/16 15:49	10
1,1-Dichloropropene	10	U	10	10	3.4	ug/L		11/22/16 15:49	10
Ethylbenzene	5.0	U	10	5.0	3.3	ug/L		11/22/16 15:49	10
Ethylene Dibromide	10	U	10	10	4.4	ug/L		11/22/16 15:49	10
Hexachlorobutadiene	50	U	50	50	25	ug/L		11/22/16 15:49	10
2-Hexanone	50	U	100	50	20	ug/L		11/22/16 15:49	10
Isopropylbenzene	10	U	10	10	3.5	ug/L		11/22/16 15:49	10
4-Isopropyltoluene	10	U	10	10	4.8	ug/L		11/22/16 15:49	10
Methylene Chloride	50	U	50	50	25	ug/L		11/22/16 15:49	10
4-Methyl-2-pentanone (MIBK)	50	U	100	50	21	ug/L		11/22/16 15:49	10
Methyl tert-butyl ether	5.0	U	100	5.0	3.0	ug/L		11/22/16 15:49	10
m-Xylene & p-Xylene	10	U	10	10	3.5	ug/L		11/22/16 15:49	10
Naphthalene	50	U	50	50	25	ug/L		11/22/16 15:49	10
n-Butylbenzene	10	U	10	10	4.7	ug/L		11/22/16 15:49	10
N-Propylbenzene	10	U	10	10	3.8	ug/L		11/22/16 15:49	10
o-Xylene	5.0	U	10	5.0	2.3	ug/L		11/22/16 15:49	10
sec-Butylbenzene	10	U	10	10	4.2	ug/L		11/22/16 15:49	10
Styrene	5.0	U	10	5.0	2.7	ug/L		11/22/16 15:49	10
tert-Butylbenzene	10	U	10	10	4.5	ug/L		11/22/16 15:49	10
1,1,1,2-Tetrachloroethane	10	U	10	10	3.7	ug/L		11/22/16 15:49	10
1,1,2,2-Tetrachloroethane	10	U	10	10	6.2	ug/L		11/22/16 15:49	10
Tetrachloroethene	**830**	**D**	10	10	7.4	ug/L		11/22/16 15:49	10
Toluene	10	U	10	10	4.8	ug/L		11/22/16 15:49	10
trans-1,2-Dichloroethene	10	U	10	10	3.7	ug/L		11/22/16 15:49	10
trans-1,3-Dichloropropene	10	U	10	10	4.2	ug/L		11/22/16 15:49	10
1,2,3-Trichlorobenzene	50	U	50	50	25	ug/L		11/22/16 15:49	10
1,2,4-Trichlorobenzene	50	U	50	50	25	ug/L		11/22/16 15:49	10
1,1,1-Trichloroethane	10	U	10	10	3.7	ug/L		11/22/16 15:49	10
1,1,2-Trichloroethane	5.0	U	10	5.0	3.3	ug/L		11/22/16 15:49	10
Trichloroethene	**7.2**	**J D**	10	10	4.8	ug/L		11/22/16 15:49	10
Trichlorofluoromethane	10	U	10	10	4.2	ug/L		11/22/16 15:49	10
1,2,3-Trichloropropane	10	U	10	10	3.9	ug/L		11/22/16 15:49	10
1,2,4-Trimethylbenzene	10	U	10	10	4.7	ug/L		11/22/16 15:49	10
1,3,5-Trimethylbenzene	5.0	U	10	5.0	3.1	ug/L		11/22/16 15:49	10
Vinyl acetate	20	U	20	20	8.1	ug/L		11/22/16 15:49	10
Vinyl chloride	10	U	10	10	5.0	ug/L		11/22/16 15:49	10
Xylenes, Total	5.0	U	20	5.0	2.3	ug/L		11/22/16 15:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*11/22/16 15:49*	*10*

Client Sample ID: G6M-13-05X

Lab Sample ID: 680-132062-17

Date Collected: 11/10/16 10:40

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*80 - 119*		*11/22/16 15:49*	*10*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/22/16 15:49*	*10*
Toluene-d8 (Surr)	*103*		*89 - 112*		*11/22/16 15:49*	*10*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/15/16 23:50	1
Manganese	**54**		10	3.0	1.0	ug/L		11/15/16 23:50	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 06:26	1

Client Sample ID: G6M-03-02X

Lab Sample ID: 680-132062-18

Date Collected: 11/10/16 12:50

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	**23**		10	10	7.0	ug/L		11/22/16 14:06	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:06	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:06	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:06	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
2-Butanone (MEK)	**130**		10	10	3.4	ug/L		11/22/16 14:06	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 14:06	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:06	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 14:06	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:06	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 14:06	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:06	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 14:06	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 14:06	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:06	1
cis-1,2-Dichloroethene	**18**		1.0	1.0	0.41	ug/L		11/22/16 14:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 14:06	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 14:06	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:06	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:06	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:06	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 14:06	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 14:06	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 14:06	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 14:06	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:06	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 14:06	1
1,2-Dichloroethene, Total	**18**		2.0	1.0	0.74	ug/L		11/22/16 14:06	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 14:06	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 14:06	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-03-02X
Date Collected: 11/10/16 12:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:06	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 14:06	1
Ethylbenzene	**0.75**	**J**	1.0	0.50	0.33	ug/L		11/22/16 14:06	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 14:06	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 14:06	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:06	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 14:06	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 14:06	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 14:06	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:06	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 14:06	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 14:06	1
o-Xylene	**0.23**	**J**	1.0	0.50	0.23	ug/L		11/22/16 14:06	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:06	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 14:06	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 14:06	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 14:06	1
Toluene	**15**		1.0	1.0	0.48	ug/L		11/22/16 14:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:06	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:06	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:06	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:06	1
Trichloroethene	**0.54**	**J**	1.0	1.0	0.48	ug/L		11/22/16 14:06	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:06	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 14:06	1
1,2,4-Trimethylbenzene	**1.3**		1.0	1.0	0.47	ug/L		11/22/16 14:06	1
1,3,5-Trimethylbenzene	**0.45**	**J**	1.0	0.50	0.31	ug/L		11/22/16 14:06	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 14:06	1
Vinyl chloride	**6.4**		1.0	1.0	0.50	ug/L		11/22/16 14:06	1
Xylenes, Total	**0.23**	**J**	2.0	0.50	0.23	ug/L		11/22/16 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*85 - 114*		*11/22/16 14:06*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/22/16 14:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*11/22/16 14:06*	*1*
Toluene-d8 (Surr)	*102*		*89 - 112*		*11/22/16 14:06*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 21:35	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 21:35	1
Methane (TCD)	**17000**		390	77	39	ug/L		11/22/16 21:35	1

Client Sample ID: G6M-03-02X

Date Collected: 11/10/16 12:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-18
Matrix: Water

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**0.44**	**J M**	1.0	1.0	0.40	mg/L		11/25/16 17:02	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**260000**		50	50	17	ug/L		11/15/16 23:55	1
Manganese	**3900**		10	3.0	1.0	ug/L		11/15/16 23:55	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**180**		3.0	3.0	1.5	ug/L		11/17/16 06:29	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 18:16	1
Sulfide	**1.9**		1.0	1.0	1.0	mg/L		11/17/16 10:30	1
Total Organic Carbon - Duplicates	**120**		3.6	1.8	0.55	mg/L		11/23/16 03:15	3.57
Alkalinity	**300**		5.0	3.2	1.1	mg/L		11/17/16 15:25	1

Client Sample ID: G6M-04-03X

Date Collected: 11/10/16 14:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 14:27	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:27	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:27	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:27	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 14:27	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 14:27	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:27	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 14:27	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:27	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 14:27	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:27	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 14:27	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 14:27	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:27	1
cis-1,2-Dichloroethene	**5.8**		1.0	1.0	0.41	ug/L		11/22/16 14:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 14:27	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 14:27	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:27	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:27	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:27	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 14:27	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 14:27	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 14:27	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 14:27	1

Client Sample ID: G6M-04-03X
Date Collected: 11/10/16 14:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:27	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 14:27	1
1,2-Dichloroethene, Total	**6.1**		2.0	1.0	0.74	ug/L		11/22/16 14:27	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 14:27	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 14:27	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:27	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 14:27	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:27	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 14:27	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 14:27	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:27	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 14:27	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 14:27	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 14:27	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:27	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 14:27	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 14:27	1
o-Xylene	**0.26**	**J**	1.0	0.50	0.23	ug/L		11/22/16 14:27	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:27	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 14:27	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:27	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 14:27	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 14:27	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 14:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:27	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:27	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:27	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:27	1
Trichloroethene	**0.65**	**J**	1.0	1.0	0.48	ug/L		11/22/16 14:27	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:27	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 14:27	1
1,2,4-Trimethylbenzene	**0.89**	**J**	1.0	1.0	0.47	ug/L		11/22/16 14:27	1
1,3,5-Trimethylbenzene	**0.43**	**J**	1.0	0.50	0.31	ug/L		11/22/16 14:27	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 14:27	1
Vinyl chloride	**4.1**		1.0	1.0	0.50	ug/L		11/22/16 14:27	1
Xylenes, Total	**0.26**	**J**	2.0	0.50	0.23	ug/L		11/22/16 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*85 - 114*		*11/22/16 14:27*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*11/22/16 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/22/16 14:27*	*1*
Toluene-d8 (Surr)	*95*		*89 - 112*		*11/22/16 14:27*	*1*

Client Sample ID: G6M-04-03X

Lab Sample ID: 680-132062-19

Date Collected: 11/10/16 14:30

Matrix: Water

Date Received: 11/12/16 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 21:48	1
Ethylene	**25**		1.0	1.0	0.50	ug/L		11/22/16 21:48	1
Methane (TCD)	**20000**		390	77	39	ug/L		11/22/16 21:48	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**2.2**	**M**	1.0	1.0	0.40	mg/L		11/25/16 17:20	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**110000**		50	50	17	ug/L		11/16/16 00:52	1
Manganese	**31000**	**D**	100	30	10	ug/L		11/16/16 12:48	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**380**		3.0	3.0	1.5	ug/L		11/17/16 07:08	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 18:18	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 10:30	1
Total Organic Carbon - Duplicates	**9.8**		1.0	0.50	0.16	mg/L		11/23/16 02:58	1
Alkalinity	**390**		5.0	3.2	1.1	mg/L		11/17/16 15:30	1

Client Sample ID: DUP-3

Lab Sample ID: 680-132062-20

Date Collected: 11/10/16 15:00

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 14:47	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:47	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:47	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:47	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 14:47	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/22/16 14:47	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:47	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 14:47	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:47	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 14:47	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:47	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 14:47	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 14:47	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:47	1
cis-1,2-Dichloroethene	**6.4**		1.0	1.0	0.41	ug/L		11/22/16 14:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 14:47	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 14:47	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:47	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:47	1

Client Sample ID: DUP-3
Date Collected: 11/10/16 15:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 14:47	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 14:47	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 14:47	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 14:47	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 14:47	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 14:47	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 14:47	1
1,2-Dichloroethene, Total	**6.7**		2.0	1.0	0.74	ug/L		11/22/16 14:47	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 14:47	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 14:47	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:47	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 14:47	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:47	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 14:47	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 14:47	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:47	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 14:47	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 14:47	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 14:47	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 14:47	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 14:47	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 14:47	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 14:47	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:47	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 14:47	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 14:47	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 14:47	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 14:47	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 14:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:47	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 14:47	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 14:47	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 14:47	1
Trichloroethene	**0.51**	**J**	1.0	1.0	0.48	ug/L		11/22/16 14:47	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 14:47	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 14:47	1
1,2,4-Trimethylbenzene	**0.90**	**J**	1.0	1.0	0.47	ug/L		11/22/16 14:47	1
1,3,5-Trimethylbenzene	**0.45**	**J**	1.0	0.50	0.31	ug/L		11/22/16 14:47	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 14:47	1
Vinyl chloride	**3.8**		1.0	1.0	0.50	ug/L		11/22/16 14:47	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*11/22/16 14:47*	*1*

Client Sample ID: DUP-3

Lab Sample ID: 680-132062-20

Date Collected: 11/10/16 15:00

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*11/22/16 14:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*		*11/22/16 14:47*	*1*
Toluene-d8 (Surr)	*93*		*89 - 112*		*11/22/16 14:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 22:01	1
Ethylene	**18**		1.0	1.0	0.50	ug/L		11/22/16 22:01	1
Methane (TCD)	**16000**		390	77	39	ug/L		11/22/16 22:01	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**2.0**	**M**	1.0	1.0	0.40	mg/L		11/25/16 17:37	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**110000**		50	50	17	ug/L		11/16/16 00:00	1
Manganese	**33000**	**D**	100	30	10	ug/L		11/16/16 12:44	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**410**		3.0	3.0	1.5	ug/L		11/17/16 06:33	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 18:20	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 10:15	1
Total Organic Carbon - Duplicates	**11**		1.0	0.50	0.16	mg/L		11/23/16 03:36	1
Alkalinity	**400**		5.0	3.2	1.1	mg/L		11/17/16 15:34	1

Client Sample ID: G6M-04-02X

Lab Sample ID: 680-132062-21

Date Collected: 11/10/16 16:20

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 10:59	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 10:59	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 10:59	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 10:59	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 10:59	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 10:59	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 10:59	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 10:59	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 10:59	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 10:59	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 10:59	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 10:59	1

Client Sample ID: G6M-04-02X
Date Collected: 11/10/16 16:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-21
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 10:59	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 10:59	1
cis-1,2-Dichloroethene	**58**		1.0	1.0	0.41	ug/L		11/23/16 10:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 10:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 10:59	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 10:59	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:59	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 10:59	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 10:59	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 10:59	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 10:59	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 10:59	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 10:59	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 10:59	1
1,2-Dichloroethene, Total	**58**		2.0	1.0	0.74	ug/L		11/23/16 10:59	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 10:59	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 10:59	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:59	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 10:59	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 10:59	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 10:59	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 10:59	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 10:59	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 10:59	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 10:59	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 10:59	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 10:59	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 10:59	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 10:59	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 10:59	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 10:59	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 10:59	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 10:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 10:59	1
Tetrachloroethene	**160**		1.0	1.0	0.74	ug/L		11/23/16 10:59	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 10:59	1
trans-1,2-Dichloroethene	**0.37**	**J**	1.0	1.0	0.37	ug/L		11/23/16 10:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 10:59	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 10:59	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 10:59	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 10:59	1
Trichloroethene	**60**		1.0	1.0	0.48	ug/L		11/23/16 10:59	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 10:59	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 10:59	1

Client Sample ID: G6M-04-02X

Lab Sample ID: 680-132062-21

Date Collected: 11/10/16 16:20

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 10:59	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 10:59	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 10:59	1
Vinyl chloride	**8.4**		1.0	1.0	0.50	ug/L		11/23/16 10:59	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*85 - 114*		*11/23/16 10:59*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/23/16 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*		*11/23/16 10:59*	*1*
Toluene-d8 (Surr)	*106*		*89 - 112*		*11/23/16 10:59*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**48000**		50	50	17	ug/L		11/16/16 00:16	1
Manganese	**9100**		10	3.0	1.0	ug/L		11/16/16 00:16	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**180**		3.0	3.0	1.5	ug/L		11/17/16 06:51	1

Client Sample ID: DUP-2

Lab Sample ID: 680-132062-22

Date Collected: 11/10/16 16:45

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 11:19	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 11:19	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:19	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 11:19	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 11:19	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 11:19	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 11:19	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 11:19	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 11:19	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 11:19	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:19	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 11:19	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 11:19	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 11:19	1
cis-1,2-Dichloroethene	**55**		1.0	1.0	0.41	ug/L		11/23/16 11:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 11:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 11:19	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 11:19	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:19	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 11:19	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 11:19	1

Client Sample ID: DUP-2
Date Collected: 11/10/16 16:45
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-22
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 11:19	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 11:19	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 11:19	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:19	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 11:19	1
1,2-Dichloroethene, Total	**55**		2.0	1.0	0.74	ug/L		11/23/16 11:19	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 11:19	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 11:19	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:19	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 11:19	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 11:19	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 11:19	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 11:19	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 11:19	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 11:19	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 11:19	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 11:19	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 11:19	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 11:19	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 11:19	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 11:19	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 11:19	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 11:19	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 11:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 11:19	1
Tetrachloroethene	**150**		1.0	1.0	0.74	ug/L		11/23/16 11:19	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 11:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 11:19	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:19	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:19	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 11:19	1
Trichloroethene	**64**		1.0	1.0	0.48	ug/L		11/23/16 11:19	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 11:19	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 11:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 11:19	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 11:19	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 11:19	1
Vinyl chloride	**8.5**		1.0	1.0	0.50	ug/L		11/23/16 11:19	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*85 - 114*		*11/23/16 11:19*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/23/16 11:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*81 - 118*		*11/23/16 11:19*	*1*

Client Sample ID: DUP-2

Lab Sample ID: 680-132062-22
Date Collected: 11/10/16 16:45
Matrix: Water
Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*105*		*89 - 112*		*11/23/16 11:19*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**45000**		50	50	17	ug/L		11/16/16 00:05	1
Manganese	**8000**		10	3.0	1.0	ug/L		11/16/16 00:05	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**170**		3.0	3.0	1.5	ug/L		11/17/16 06:36	1

Client Sample ID: G6M-04-14X

Lab Sample ID: 680-132062-23
Date Collected: 11/11/16 09:15
Matrix: Water
Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 11:40	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 11:40	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:40	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 11:40	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 11:40	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 11:40	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 11:40	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 11:40	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 11:40	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 11:40	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:40	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 11:40	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 11:40	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 11:40	1
cis-1,2-Dichloroethene	**1.2**		1.0	1.0	0.41	ug/L		11/23/16 11:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 11:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 11:40	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 11:40	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:40	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 11:40	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 11:40	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 11:40	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 11:40	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 11:40	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:40	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 11:40	1
1,2-Dichloroethene, Total	**1.2**	**J**	2.0	1.0	0.74	ug/L		11/23/16 11:40	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 11:40	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 11:40	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:40	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 11:40	1

Client Sample ID: G6M-04-14X
Date Collected: 11/11/16 09:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-23
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 11:40	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 11:40	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 11:40	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 11:40	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 11:40	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 11:40	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 11:40	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 11:40	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 11:40	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 11:40	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 11:40	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 11:40	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 11:40	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 11:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 11:40	1
Tetrachloroethene	**2.5**		1.0	1.0	0.74	ug/L		11/23/16 11:40	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 11:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 11:40	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 11:40	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 11:40	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 11:40	1
Trichloroethene	**1.4**		1.0	1.0	0.48	ug/L		11/23/16 11:40	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 11:40	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 11:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 11:40	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 11:40	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 11:40	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:40	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*11/23/16 11:40*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 119*		*11/23/16 11:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/23/16 11:40*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*11/23/16 11:40*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 00:11	1
Manganese	**2.1**	**J**	10	3.0	1.0	ug/L		11/16/16 00:11	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**8.3**		3.0	3.0	1.5	ug/L		11/17/16 06:40	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-02-07X
Date Collected: 11/11/16 11:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-24
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 12:00	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:00	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:00	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:00	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 12:00	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 12:00	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:00	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 12:00	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:00	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 12:00	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:00	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 12:00	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 12:00	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:00	1
cis-1,2-Dichloroethene	**1.0**		1.0	1.0	0.41	ug/L		11/23/16 12:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 12:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 12:00	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:00	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:00	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:00	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 12:00	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 12:00	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 12:00	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 12:00	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:00	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 12:00	1
1,2-Dichloroethene, Total	**1.0**	**J**	2.0	1.0	0.74	ug/L		11/23/16 12:00	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 12:00	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 12:00	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:00	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 12:00	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:00	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 12:00	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 12:00	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:00	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 12:00	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 12:00	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 12:00	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:00	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 12:00	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 12:00	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 12:00	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:00	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 12:00	1

Client Sample ID: G6M-02-07X

Date Collected: 11/11/16 11:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 12:00	1
Tetrachloroethene	**5.4**		1.0	1.0	0.74	ug/L		11/23/16 12:00	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 12:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:00	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:00	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:00	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:00	1
Trichloroethene	**0.75**	**J**	1.0	1.0	0.48	ug/L		11/23/16 12:00	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:00	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 12:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 12:00	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 12:00	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 12:00	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:00	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*		*11/23/16 12:00*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 119*		*11/23/16 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*		*11/23/16 12:00*	*1*
Toluene-d8 (Surr)	*109*		*89 - 112*		*11/23/16 12:00*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**50**		50	50	17	ug/L		11/16/16 00:21	1
Manganese	**11**		10	3.0	1.0	ug/L		11/16/16 00:21	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 06:54	1

Client Sample ID: G6M-12-98X

Date Collected: 11/11/16 12:25
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 12:21	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:21	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:21	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:21	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 12:21	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 12:21	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:21	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 12:21	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-12-98X
Date Collected: 11/11/16 12:25
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-25
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:21	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 12:21	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:21	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 12:21	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 12:21	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:21	1
cis-1,2-Dichloroethene	**0.81**	**J**	1.0	1.0	0.41	ug/L		11/23/16 12:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 12:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 12:21	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:21	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:21	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:21	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 12:21	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 12:21	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 12:21	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 12:21	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:21	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 12:21	1
1,2-Dichloroethene, Total	**0.81**	**J**	2.0	1.0	0.74	ug/L		11/23/16 12:21	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 12:21	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 12:21	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:21	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 12:21	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:21	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 12:21	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 12:21	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:21	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 12:21	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 12:21	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 12:21	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:21	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 12:21	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 12:21	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 12:21	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:21	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 12:21	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:21	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 12:21	1
Tetrachloroethene	**5.6**		1.0	1.0	0.74	ug/L		11/23/16 12:21	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 12:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:21	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:21	1

Client Sample ID: G6M-12-98X

Lab Sample ID: 680-132062-25

Date Collected: 11/11/16 12:25

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:21	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:21	1
Trichloroethene	**0.69**	**J**	1.0	1.0	0.48	ug/L		11/23/16 12:21	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:21	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 12:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 12:21	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 12:21	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 12:21	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:21	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*85 - 114*		*11/23/16 12:21*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/23/16 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*81 - 118*		*11/23/16 12:21*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*11/23/16 12:21*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**95**		50	50	17	ug/L		11/16/16 00:26	1
Manganese	**3.1**	**J**	10	3.0	1.0	ug/L		11/16/16 00:26	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 06:58	1

Client Sample ID: DUP-4

Lab Sample ID: 680-132062-26

Date Collected: 11/11/16 13:00

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 12:41	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:41	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:41	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:41	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 12:41	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 12:41	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:41	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 12:41	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:41	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 12:41	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:41	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 12:41	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 12:41	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:41	1
cis-1,2-Dichloroethene	**0.77**	**J**	1.0	1.0	0.41	ug/L		11/23/16 12:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 12:41	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: DUP-4
Date Collected: 11/11/16 13:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-26
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 12:41	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:41	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:41	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 12:41	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 12:41	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 12:41	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 12:41	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 12:41	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:41	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 12:41	1
1,2-Dichloroethene, Total	**0.77**	**J**	2.0	1.0	0.74	ug/L		11/23/16 12:41	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 12:41	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 12:41	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:41	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 12:41	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:41	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 12:41	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 12:41	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:41	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 12:41	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 12:41	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 12:41	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 12:41	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 12:41	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 12:41	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 12:41	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:41	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 12:41	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 12:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 12:41	1
Tetrachloroethene	**6.0**		1.0	1.0	0.74	ug/L		11/23/16 12:41	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 12:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:41	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 12:41	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 12:41	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 12:41	1
Trichloroethene	**0.68**	**J**	1.0	1.0	0.48	ug/L		11/23/16 12:41	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 12:41	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 12:41	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 12:41	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 12:41	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 12:41	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 12:41	1

Client Sample ID: DUP-4

Lab Sample ID: 680-132062-26

Date Collected: 11/11/16 13:00

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*85 - 114*		*11/23/16 12:41*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 119*		*11/23/16 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*		*11/23/16 12:41*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*11/23/16 12:41*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**220**		50	50	17	ug/L		11/16/16 00:42	1
Manganese	**3.8**	**J**	10	3.0	1.0	ug/L		11/16/16 00:42	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 07:01	1

Client Sample ID: G6M-02-06X

Lab Sample ID: 680-132062-27

Date Collected: 11/11/16 15:15

Matrix: Water

Date Received: 11/12/16 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 13:02	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 13:02	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:02	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 13:02	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 13:02	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 13:02	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 13:02	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 13:02	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 13:02	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 13:02	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:02	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 13:02	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 13:02	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 13:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/23/16 13:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 13:02	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 13:02	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 13:02	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 13:02	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 13:02	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 13:02	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 13:02	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 13:02	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 13:02	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:02	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-02-06X
Date Collected: 11/11/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-27
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 13:02	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/23/16 13:02	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 13:02	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 13:02	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 13:02	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 13:02	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 13:02	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 13:02	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 13:02	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 13:02	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 13:02	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 13:02	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 13:02	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 13:02	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 13:02	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 13:02	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 13:02	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 13:02	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 13:02	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 13:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 13:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 13:02	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/23/16 13:02	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 13:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 13:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 13:02	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 13:02	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 13:02	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 13:02	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 13:02	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 13:02	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 13:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 13:02	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 13:02	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 13:02	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:02	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*	*Q*	*85 - 114*		*11/23/16 13:02*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 119*		*11/23/16 13:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/23/16 13:02*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*11/23/16 13:02*	*1*

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-02-06X
Date Collected: 11/11/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-27
Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 00:47	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/16/16 00:47	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 07:05	1

Surrogate Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(85-114)	(80-119)	(81-118)	(89-112)
680-132062-1	G6M-04-11X	109	98	98	108
680-132062-1 - RA	G6M-04-11X	97	96	98	99
680-132062-3	G6M-04-15X	108	98	102	106
680-132062-3 - RA	G6M-04-15X	97	96	99	97
680-132062-4	G6M-03-07X	111	95	104	114 Q
680-132062-4 - RA	G6M-03-07X	100	96	103	97
680-132062-5	G6M-13-03X	110	98	102	104
680-132062-5 - RA	G6M-13-03X	96	94	100	98
680-132062-6	G6M-04-10A	109	97	102	103
680-132062-7	G6M-07-02X	102	99	100	111
680-132062-8	DUP-5	98	101	104	112
680-132062-9	G6M-04-13X	101	100	100	111
680-132062-10	Trip Blank	106	102	102	96
680-132062-10 - RA	Trip Blank	98	95	99	98
680-132062-11	G6M-02-08X	109	100	100	99
680-132062-11 - RA	G6M-02-08X	102	97	100	100
680-132062-12	G6M-03-01X	98	99	98	103
680-132062-13	DUP-1	90	99	97	107
680-132062-14	G6M-13-01X	102	90	97	103
680-132062-15	G6M-13-04X	104	99	101	103
680-132062-16	MW-3	98	99	98	108
680-132062-17	G6M-13-05X	104	103	98	103
680-132062-18	G6M-03-02X	101	99	102	102
680-132062-19	G6M-04-03X	101	92	100	95
680-132062-20	DUP-3	110	102	104	93
680-132062-21	G6M-04-02X	114	99	97	106
680-132062-22	DUP-2	101	98	106	105
680-132062-23	G6M-04-14X	107	105	101	100
680-132062-24	G6M-02-07X	103	106	103	109
680-132062-25	G6M-12-98X	109	96	94	97
680-132062-26	DUP-4	102	106	103	105
680-132062-27	G6M-02-06X	115 Q	105	101	100
LCS 680-458718/4	Lab Control Sample	96	100	97	102
LCS 680-458894/4	Lab Control Sample	97	97	95	108
LCS 680-459061/4	Lab Control Sample	94	95	100	99
LCSD 680-458718/5	Lab Control Sample Dup	104	103	102	103
LCSD 680-458894/5	Lab Control Sample Dup	97	98	97	104
LCSD 680-459061/5	Lab Control Sample Dup	92	99	103	101
MB 680-458718/9	Method Blank	110	98	101	105
MB 680-458894/12	Method Blank	107	99	103	105
MB 680-459061/9	Method Blank	97	96	100	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-458718/9
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/22/16 08:59	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 08:59	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 08:59	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 08:59	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/22/16 08:59	1
Carbon disulfide	0.732	J	2.0	2.0	0.43	ug/L		11/22/16 08:59	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 08:59	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/22/16 08:59	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 08:59	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/22/16 08:59	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 08:59	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 08:59	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 08:59	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 08:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/22/16 08:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/22/16 08:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/22/16 08:59	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 08:59	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 08:59	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/22/16 08:59	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/22/16 08:59	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 08:59	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/22/16 08:59	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 08:59	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 08:59	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/22/16 08:59	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/22/16 08:59	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/22/16 08:59	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 08:59	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 08:59	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/22/16 08:59	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 08:59	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/22/16 08:59	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/22/16 08:59	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 08:59	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 08:59	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/22/16 08:59	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/22/16 08:59	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/22/16 08:59	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 08:59	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/22/16 08:59	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/22/16 08:59	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 08:59	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-458718/9
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/22/16 08:59	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/22/16 08:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 08:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/22/16 08:59	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/22/16 08:59	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 08:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 08:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 08:59	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/22/16 08:59	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/22/16 08:59	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/22/16 08:59	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/22/16 08:59	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/22/16 08:59	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/22/16 08:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/22/16 08:59	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/22/16 08:59	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/22/16 08:59	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 08:59	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/22/16 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*11/22/16 08:59*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 119*		*11/22/16 08:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/22/16 08:59*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*11/22/16 08:59*	*1*

Lab Sample ID: LCS 680-458718/4
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	214		ug/L		85	39 - 160
Benzene	50.0	50.6		ug/L		101	79 - 120
Bromobenzene	50.0	49.7		ug/L		99	80 - 120
Bromoform	50.0	50.3		ug/L		101	66 - 130
Bromomethane	50.0	54.7		ug/L		109	53 - 141
2-Butanone (MEK)	250	251		ug/L		100	56 - 143
Carbon disulfide	50.0	46.8		ug/L		94	64 - 133
Carbon tetrachloride	50.0	53.4		ug/L		107	72 - 136
Chlorobenzene	50.0	48.7		ug/L		97	82 - 118
Chlorobromomethane	50.0	48.8		ug/L		98	78 - 123
Chlorodibromomethane	50.0	48.8		ug/L		98	74 - 126
Chloroethane	50.0	47.2		ug/L		94	60 - 138
Chloroform	50.0	49.8		ug/L		100	79 - 124
Chloromethane	50.0	53.6		ug/L		107	50 - 139
2-Chlorotoluene	50.0	53.0		ug/L		106	79 - 122
4-Chlorotoluene	50.0	52.8		ug/L		106	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-458718/4
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	78 - 123
cis-1,3-Dichloropropene	50.0	51.1		ug/L		102	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	62 - 128
Dibromomethane	50.0	47.0		ug/L		94	79 - 123
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 119
1,3-Dichlorobenzene	50.0	49.4		ug/L		99	80 - 119
1,4-Dichlorobenzene	50.0	46.9		ug/L		94	79 - 118
Dichlorobromomethane	50.0	47.9		ug/L		96	79 - 125
Dichlorodifluoromethane	50.0	51.1		ug/L		102	32 - 152
1,1-Dichloroethane	50.0	50.6		ug/L		101	77 - 125
1,2-Dichloroethane	50.0	49.9		ug/L		100	73 - 128
1,1-Dichloroethene	50.0	48.7		ug/L		97	71 - 131
1,2-Dichloroethene, Total	100	97.5		ug/L		98	79 - 121
1,2-Dichloropropane	50.0	47.9		ug/L		96	78 - 122
1,3-Dichloropropane	50.0	48.4		ug/L		97	80 - 119
2,2-Dichloropropane	50.0	56.4		ug/L		113	60 - 139
1,1-Dichloropropene	50.0	52.5		ug/L		105	79 - 125
Ethylbenzene	50.0	52.0		ug/L		104	79 - 121
Ethylene Dibromide	50.0	47.1		ug/L		94	75 - 127
Hexachlorobutadiene	50.0	58.8		ug/L		118	66 - 134
2-Hexanone	250	269		ug/L		107	57 - 139
Isopropylbenzene	50.0	53.9		ug/L		108	72 - 131
4-Isopropyltoluene	50.0	50.5		ug/L		101	77 - 127
Methylene Chloride	50.0	46.8		ug/L		94	74 - 124
4-Methyl-2-pentanone (MIBK)	250	258		ug/L		103	67 - 130
Methyl tert-butyl ether	50.0	48.1		ug/L		96	71 - 124
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	80 - 121
Naphthalene	50.0	55.3		ug/L		111	61 - 128
n-Butylbenzene	50.0	48.8		ug/L		98	75 - 128
N-Propylbenzene	50.0	56.4		ug/L		113	76 - 126
o-Xylene	50.0	52.4		ug/L		105	78 - 122
sec-Butylbenzene	50.0	49.6		ug/L		99	77 - 126
Styrene	50.0	54.8		ug/L		110	78 - 123
tert-Butylbenzene	50.0	55.9		ug/L		112	78 - 124
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/L		102	78 - 124
1,1,2,2-Tetrachloroethane	50.0	45.4		ug/L		91	71 - 121
Tetrachloroethene	50.0	49.3		ug/L		99	74 - 129
Toluene	50.0	51.0		ug/L		102	80 - 121
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	75 - 124
trans-1,3-Dichloropropene	50.0	50.1		ug/L		100	73 - 127
1,2,3-Trichlorobenzene	50.0	55.6		ug/L		111	69 - 129
1,2,4-Trichlorobenzene	50.0	54.1		ug/L		108	69 - 130
1,1,1-Trichloroethane	50.0	53.1		ug/L		106	74 - 131
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	80 - 119
Trichloroethene	50.0	47.1		ug/L		94	79 - 123
Trichlorofluoromethane	50.0	49.8		ug/L		100	65 - 141
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	73 - 122
1,2,4-Trimethylbenzene	50.0	54.7		ug/L		109	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-458718/4
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	56.2		ug/L		112	75 - 124
Vinyl acetate	100	105		ug/L		105	54 - 146
Vinyl chloride	50.0	53.6		ug/L		107	58 - 137
Xylenes, Total	100	104		ug/L		104	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*85 - 114*
Dibromofluoromethane (Surr)	*100*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*
Toluene-d8 (Surr)	*102*		*89 - 112*

Lab Sample ID: LCSD 680-458718/5
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	211		ug/L		84	39 - 160	1	20
Benzene	50.0	51.8		ug/L		104	79 - 120	2	20
Bromobenzene	50.0	54.8		ug/L		110	80 - 120	10	20
Bromoform	50.0	55.7		ug/L		111	66 - 130	10	20
Bromomethane	50.0	55.0		ug/L		110	53 - 141	0	20
2-Butanone (MEK)	250	246		ug/L		98	56 - 143	2	20
Carbon disulfide	50.0	47.9		ug/L		96	64 - 133	2	20
Carbon tetrachloride	50.0	55.4		ug/L		111	72 - 136	4	20
Chlorobenzene	50.0	50.7		ug/L		101	82 - 118	4	20
Chlorobromomethane	50.0	51.5		ug/L		103	78 - 123	5	20
Chlorodibromomethane	50.0	48.4		ug/L		97	74 - 126	1	20
Chloroethane	50.0	47.4		ug/L		95	60 - 138	0	20
Chloroform	50.0	52.4		ug/L		105	79 - 124	5	20
Chloromethane	50.0	53.5		ug/L		107	50 - 139	0	20
2-Chlorotoluene	50.0	57.4		ug/L		115	79 - 122	8	20
4-Chlorotoluene	50.0	57.2		ug/L		114	78 - 122	8	20
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	78 - 123	0	20
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	75 - 124	0	20
1,2-Dibromo-3-Chloropropane	50.0	53.6		ug/L		107	62 - 128	11	20
Dibromomethane	50.0	47.3		ug/L		95	79 - 123	1	20
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	80 - 119	6	20
1,3-Dichlorobenzene	50.0	51.7		ug/L		103	80 - 119	5	20
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	79 - 118	2	20
Dichlorobromomethane	50.0	51.0		ug/L		102	79 - 125	6	20
Dichlorodifluoromethane	50.0	50.1		ug/L		100	32 - 152	2	20
1,1-Dichloroethane	50.0	47.5		ug/L		95	77 - 125	6	20
1,2-Dichloroethane	50.0	51.4		ug/L		103	73 - 128	3	20
1,1-Dichloroethene	50.0	48.2		ug/L		96	71 - 131	1	20
1,2-Dichloroethene, Total	100	95.4		ug/L		95	79 - 121	2	20
1,2-Dichloropropane	50.0	47.6		ug/L		95	78 - 122	1	20
1,3-Dichloropropane	50.0	48.6		ug/L		97	80 - 119	0	20
2,2-Dichloropropane	50.0	54.7		ug/L		109	60 - 139	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-458718/5
Matrix: Water
Analysis Batch: 458718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	55.1		ug/L		110	79 - 125	5	20
Ethylbenzene			50.0	53.0		ug/L		106	79 - 121	2	20
Ethylene Dibromide			50.0	45.1		ug/L		90	75 - 127	4	20
Hexachlorobutadiene			50.0	65.1		ug/L		130	66 - 134	10	20
2-Hexanone			250	273		ug/L		109	57 - 139	2	20
Isopropylbenzene			50.0	58.4		ug/L		117	72 - 131	8	20
4-Isopropyltoluene			50.0	51.4		ug/L		103	77 - 127	2	20
Methylene Chloride			50.0	45.3		ug/L		91	74 - 124	3	20
4-Methyl-2-pentanone (MIBK)			250	247		ug/L		99	67 - 130	5	20
Methyl tert-butyl ether			50.0	46.7		ug/L		93	71 - 124	3	20
m-Xylene & p-Xylene			50.0	52.8		ug/L		106	80 - 121	2	20
Naphthalene			50.0	60.5		ug/L		121	61 - 128	9	20
n-Butylbenzene			50.0	48.3		ug/L		97	75 - 128	1	20
N-Propylbenzene			50.0	60.8		ug/L		122	76 - 126	8	20
o-Xylene			50.0	53.1		ug/L		106	78 - 122	1	20
sec-Butylbenzene			50.0	50.8		ug/L		102	77 - 126	2	20
Styrene			50.0	56.5		ug/L		113	78 - 123	3	20
tert-Butylbenzene			50.0	57.2		ug/L		114	78 - 124	2	20
1,1,1,2-Tetrachloroethane			50.0	53.4		ug/L		107	78 - 124	5	20
1,1,2,2-Tetrachloroethane			50.0	50.4		ug/L		101	71 - 121	10	20
Tetrachloroethene			50.0	48.8		ug/L		98	74 - 129	1	20
Toluene			50.0	47.9		ug/L		96	80 - 121	6	20
trans-1,2-Dichloroethene			50.0	45.6		ug/L		91	75 - 124	4	20
trans-1,3-Dichloropropene			50.0	46.7		ug/L		93	73 - 127	7	20
1,2,3-Trichlorobenzene			50.0	61.4		ug/L		123	69 - 129	10	20
1,2,4-Trichlorobenzene			50.0	59.3		ug/L		119	69 - 130	9	20
1,1,1-Trichloroethane			50.0	55.8		ug/L		112	74 - 131	5	20
1,1,2-Trichloroethane			50.0	49.1		ug/L		98	80 - 119	3	20
Trichloroethene			50.0	45.9		ug/L		92	79 - 123	3	20
Trichlorofluoromethane			50.0	49.6		ug/L		99	65 - 141	0	20
1,2,3-Trichloropropane			50.0	55.7		ug/L		111	73 - 122	9	20
1,2,4-Trimethylbenzene			50.0	56.1		ug/L		112	76 - 124	3	20
1,3,5-Trimethylbenzene			50.0	61.1		ug/L		122	75 - 124	8	20
Vinyl acetate			100	103		ug/L		103	54 - 146	1	20
Vinyl chloride			50.0	54.4		ug/L		109	58 - 137	1	20
Xylenes, Total			100	106		ug/L		106	79 - 121	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*
Dibromofluoromethane (Surr)	*103*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*
Toluene-d8 (Surr)	*103*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-458894/12
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/23/16 09:57	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 09:57	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 09:57	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 09:57	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/23/16 09:57	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/23/16 09:57	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 09:57	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/23/16 09:57	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 09:57	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/23/16 09:57	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 09:57	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 09:57	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 09:57	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 09:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/23/16 09:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/23/16 09:57	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/23/16 09:57	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 09:57	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 09:57	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/23/16 09:57	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/23/16 09:57	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 09:57	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/23/16 09:57	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 09:57	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 09:57	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/23/16 09:57	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/23/16 09:57	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/23/16 09:57	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 09:57	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 09:57	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/23/16 09:57	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 09:57	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/23/16 09:57	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/23/16 09:57	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 09:57	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 09:57	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/23/16 09:57	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/23/16 09:57	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/23/16 09:57	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 09:57	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/23/16 09:57	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/23/16 09:57	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 09:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-458894/12
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/23/16 09:57	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/23/16 09:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 09:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/23/16 09:57	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/23/16 09:57	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 09:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 09:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 09:57	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/23/16 09:57	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/23/16 09:57	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/23/16 09:57	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/23/16 09:57	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/23/16 09:57	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/23/16 09:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/23/16 09:57	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/23/16 09:57	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/23/16 09:57	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 09:57	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/23/16 09:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*11/23/16 09:57*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*11/23/16 09:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*		*11/23/16 09:57*	*1*
Toluene-d8 (Surr)	*105*		*89 - 112*		*11/23/16 09:57*	*1*

Lab Sample ID: LCS 680-458894/4
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	232		ug/L		93	39 - 160
Benzene	50.0	49.8		ug/L		100	79 - 120
Bromobenzene	50.0	51.0		ug/L		102	80 - 120
Bromoform	50.0	50.5		ug/L		101	66 - 130
Bromomethane	50.0	58.9		ug/L		118	53 - 141
2-Butanone (MEK)	250	260		ug/L		104	56 - 143
Carbon disulfide	50.0	50.5		ug/L		101	64 - 133
Carbon tetrachloride	50.0	53.3		ug/L		107	72 - 136
Chlorobenzene	50.0	49.8		ug/L		100	82 - 118
Chlorobromomethane	50.0	48.5		ug/L		97	78 - 123
Chlorodibromomethane	50.0	51.6		ug/L		103	74 - 126
Chloroethane	50.0	49.8		ug/L		100	60 - 138
Chloroform	50.0	49.9		ug/L		100	79 - 124
Chloromethane	50.0	57.0		ug/L		114	50 - 139
2-Chlorotoluene	50.0	54.3		ug/L		109	79 - 122
4-Chlorotoluene	50.0	52.2		ug/L		104	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-458894/4
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	78 - 123
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	51.1		ug/L		102	62 - 128
Dibromomethane	50.0	50.3		ug/L		101	79 - 123
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	80 - 119
1,3-Dichlorobenzene	50.0	49.2		ug/L		98	80 - 119
1,4-Dichlorobenzene	50.0	46.7		ug/L		93	79 - 118
Dichlorobromomethane	50.0	48.0		ug/L		96	79 - 125
Dichlorodifluoromethane	50.0	52.5		ug/L		105	32 - 152
1,1-Dichloroethane	50.0	53.1		ug/L		106	77 - 125
1,2-Dichloroethane	50.0	50.2		ug/L		100	73 - 128
1,1-Dichloroethene	50.0	52.2		ug/L		104	71 - 131
1,2-Dichloroethene, Total	100	100		ug/L		100	79 - 121
1,2-Dichloropropane	50.0	47.5		ug/L		95	78 - 122
1,3-Dichloropropane	50.0	50.8		ug/L		102	80 - 119
2,2-Dichloropropane	50.0	57.2		ug/L		114	60 - 139
1,1-Dichloropropene	50.0	52.1		ug/L		104	79 - 125
Ethylbenzene	50.0	51.7		ug/L		103	79 - 121
Ethylene Dibromide	50.0	47.9		ug/L		96	75 - 127
Hexachlorobutadiene	50.0	62.0		ug/L		124	66 - 134
2-Hexanone	250	291		ug/L		116	57 - 139
Isopropylbenzene	50.0	54.4		ug/L		109	72 - 131
4-Isopropyltoluene	50.0	49.8		ug/L		100	77 - 127
Methylene Chloride	50.0	49.6		ug/L		99	74 - 124
4-Methyl-2-pentanone (MIBK)	250	270		ug/L		108	67 - 130
Methyl tert-butyl ether	50.0	51.4		ug/L		103	71 - 124
m-Xylene & p-Xylene	50.0	51.8		ug/L		104	80 - 121
Naphthalene	50.0	58.0		ug/L		116	61 - 128
n-Butylbenzene	50.0	49.6		ug/L		99	75 - 128
N-Propylbenzene	50.0	56.1		ug/L		112	76 - 126
o-Xylene	50.0	52.4		ug/L		105	78 - 122
sec-Butylbenzene	50.0	49.8		ug/L		100	77 - 126
Styrene	50.0	54.7		ug/L		109	78 - 123
tert-Butylbenzene	50.0	55.7		ug/L		111	78 - 124
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/L		102	78 - 124
1,1,2,2-Tetrachloroethane	50.0	47.7		ug/L		95	71 - 121
Tetrachloroethene	50.0	51.4		ug/L		103	74 - 129
Toluene	50.0	50.1		ug/L		100	80 - 121
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	75 - 124
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	73 - 127
1,2,3-Trichlorobenzene	50.0	57.9		ug/L		116	69 - 129
1,2,4-Trichlorobenzene	50.0	56.5		ug/L		113	69 - 130
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	74 - 131
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	80 - 119
Trichloroethene	50.0	46.5		ug/L		93	79 - 123
Trichlorofluoromethane	50.0	52.1		ug/L		104	65 - 141
1,2,3-Trichloropropane	50.0	52.2		ug/L		104	73 - 122
1,2,4-Trimethylbenzene	50.0	55.3		ug/L		111	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-458894/4
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	56.3		ug/L		113	75 - 124
Vinyl acetate	100	112		ug/L		112	54 - 146
Vinyl chloride	50.0	57.1		ug/L		114	58 - 137
Xylenes, Total	100	104		ug/L		104	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*
Dibromofluoromethane (Surr)	*97*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*95*		*81 - 118*
Toluene-d8 (Surr)	*108*		*89 - 112*

Lab Sample ID: LCSD 680-458894/5
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	249		ug/L		100	39 - 160	7	20
Benzene	50.0	50.0		ug/L		100	79 - 120	1	20
Bromobenzene	50.0	53.6		ug/L		107	80 - 120	5	20
Bromoform	50.0	55.3		ug/L		111	66 - 130	9	20
Bromomethane	50.0	62.3		ug/L		125	53 - 141	6	20
2-Butanone (MEK)	250	261		ug/L		104	56 - 143	0	20
Carbon disulfide	50.0	54.6		ug/L		109	64 - 133	8	20
Carbon tetrachloride	50.0	54.0		ug/L		108	72 - 136	1	20
Chlorobenzene	50.0	48.3		ug/L		97	82 - 118	3	20
Chlorobromomethane	50.0	49.9		ug/L		100	78 - 123	3	20
Chlorodibromomethane	50.0	54.3		ug/L		109	74 - 126	5	20
Chloroethane	50.0	53.8		ug/L		108	60 - 138	8	20
Chloroform	50.0	49.1		ug/L		98	79 - 124	2	20
Chloromethane	50.0	57.0		ug/L		114	50 - 139	0	20
2-Chlorotoluene	50.0	57.0		ug/L		114	79 - 122	5	20
4-Chlorotoluene	50.0	56.6		ug/L		113	78 - 122	8	20
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	78 - 123	3	20
cis-1,3-Dichloropropene	50.0	53.3		ug/L		107	75 - 124	9	20
1,2-Dibromo-3-Chloropropane	50.0	51.3		ug/L		103	62 - 128	0	20
Dibromomethane	50.0	54.8		ug/L		110	79 - 123	9	20
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	80 - 119	5	20
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 119	2	20
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	79 - 118	3	20
Dichlorobromomethane	50.0	54.9		ug/L		110	79 - 125	13	20
Dichlorodifluoromethane	50.0	54.3		ug/L		109	32 - 152	3	20
1,1-Dichloroethane	50.0	49.5		ug/L		99	77 - 125	7	20
1,2-Dichloroethane	50.0	49.4		ug/L		99	73 - 128	2	20
1,1-Dichloroethene	50.0	56.2		ug/L		112	71 - 131	7	20
1,2-Dichloroethene, Total	100	98.2		ug/L		98	79 - 121	2	20
1,2-Dichloropropane	50.0	53.2		ug/L		106	78 - 122	11	20
1,3-Dichloropropane	50.0	53.5		ug/L		107	80 - 119	5	20
2,2-Dichloropropane	50.0	55.1		ug/L		110	60 - 139	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-458894/5
Matrix: Water
Analysis Batch: 458894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	53.1		ug/L		106	79 - 125	2	20
Ethylbenzene			50.0	50.6		ug/L		101	79 - 121	2	20
Ethylene Dibromide			50.0	52.6		ug/L		105	75 - 127	9	20
Hexachlorobutadiene			50.0	63.8		ug/L		128	66 - 134	3	20
2-Hexanone			250	313		ug/L		125	57 - 139	7	20
Isopropylbenzene			50.0	57.7		ug/L		115	72 - 131	6	20
4-Isopropyltoluene			50.0	51.0		ug/L		102	77 - 127	2	20
Methylene Chloride			50.0	52.6		ug/L		105	74 - 124	6	20
4-Methyl-2-pentanone (MIBK)			250	282		ug/L		113	67 - 130	5	20
Methyl tert-butyl ether			50.0	50.2		ug/L		100	71 - 124	2	20
m-Xylene & p-Xylene			50.0	50.0		ug/L		100	80 - 121	4	20
Naphthalene			50.0	59.2		ug/L		118	61 - 128	2	20
n-Butylbenzene			50.0	50.2		ug/L		100	75 - 128	1	20
N-Propylbenzene			50.0	60.9		ug/L		122	76 - 126	8	20
o-Xylene			50.0	56.1		ug/L		112	78 - 122	7	20
sec-Butylbenzene			50.0	53.4		ug/L		107	77 - 126	7	20
Styrene			50.0	58.9		ug/L		118	78 - 123	7	20
tert-Butylbenzene			50.0	59.4		ug/L		119	78 - 124	6	20
1,1,1,2-Tetrachloroethane			50.0	49.8		ug/L		100	78 - 124	2	20
1,1,2,2-Tetrachloroethane			50.0	48.5		ug/L		97	71 - 121	2	20
Tetrachloroethene			50.0	54.3		ug/L		109	74 - 129	5	20
Toluene			50.0	53.0		ug/L		106	80 - 121	6	20
trans-1,2-Dichloroethene			50.0	48.4		ug/L		97	75 - 124	2	20
trans-1,3-Dichloropropene			50.0	54.7		ug/L		109	73 - 127	2	20
1,2,3-Trichlorobenzene			50.0	60.6		ug/L		121	69 - 129	5	20
1,2,4-Trichlorobenzene			50.0	56.7		ug/L		113	69 - 130	0	20
1,1,1-Trichloroethane			50.0	54.0		ug/L		108	74 - 131	1	20
1,1,2-Trichloroethane			50.0	53.5		ug/L		107	80 - 119	5	20
Trichloroethene			50.0	47.8		ug/L		96	79 - 123	3	20
Trichlorofluoromethane			50.0	56.5		ug/L		113	65 - 141	8	20
1,2,3-Trichloropropane			50.0	56.6		ug/L		113	73 - 122	8	20
1,2,4-Trimethylbenzene			50.0	58.9		ug/L		118	76 - 124	6	20
1,3,5-Trimethylbenzene			50.0	60.4		ug/L		121	75 - 124	7	20
Vinyl acetate			100	106		ug/L		106	54 - 146	6	20
Vinyl chloride			50.0	60.6		ug/L		121	58 - 137	6	20
Xylenes, Total			100	106		ug/L		106	79 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*
Dibromofluoromethane (Surr)	*98*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*
Toluene-d8 (Surr)	*104*		*89 - 112*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-459061/9
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 09:35	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 09:35	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 09:35	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 09:35	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 09:35	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 09:35	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 09:35	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 09:35	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 09:35	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 09:35	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 09:35	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 09:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 09:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 09:35	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 09:35	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 09:35	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 09:35	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 09:35	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 09:35	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 09:35	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 09:35	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 09:35	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 09:35	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 09:35	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 09:35	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 09:35	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 09:35	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 09:35	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 09:35	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 09:35	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 09:35	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 09:35	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 09:35	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 09:35	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 09:35	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 09:35	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 09:35	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 09:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-459061/9
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 09:35	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 09:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 09:35	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 09:35	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 09:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 09:35	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 09:35	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 09:35	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 09:35	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 09:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 09:35	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 09:35	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/25/16 09:35	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/25/16 09:35*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/25/16 09:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 09:35*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 09:35*	*1*

Lab Sample ID: LCS 680-459061/4
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	247		ug/L		99	39 - 160
Benzene	50.0	51.6		ug/L		103	79 - 120
Bromobenzene	50.0	47.9		ug/L		96	80 - 120
Bromoform	50.0	48.1		ug/L		96	66 - 130
Bromomethane	50.0	37.7		ug/L		75	53 - 141
2-Butanone (MEK)	250	250		ug/L		100	56 - 143
Carbon disulfide	50.0	53.7		ug/L		107	64 - 133
Carbon tetrachloride	50.0	52.6		ug/L		105	72 - 136
Chlorobenzene	50.0	48.5		ug/L		97	82 - 118
Chlorobromomethane	50.0	47.3		ug/L		95	78 - 123
Chlorodibromomethane	50.0	50.7		ug/L		101	74 - 126
Chloroethane	50.0	55.9		ug/L		112	60 - 138
Chloroform	50.0	51.0		ug/L		102	79 - 124
Chloromethane	50.0	49.5		ug/L		99	50 - 139
2-Chlorotoluene	50.0	53.0		ug/L		106	79 - 122
4-Chlorotoluene	50.0	51.8		ug/L		104	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-459061/4
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	51.4		ug/L		103	78 - 123
cis-1,3-Dichloropropene	50.0	50.7		ug/L		101	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	46.3		ug/L		93	62 - 128
Dibromomethane	50.0	48.9		ug/L		98	79 - 123
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 119
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 119
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	79 - 118
Dichlorobromomethane	50.0	50.2		ug/L		100	79 - 125
Dichlorodifluoromethane	50.0	58.2		ug/L		116	32 - 152
1,1-Dichloroethane	50.0	51.4		ug/L		103	77 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	73 - 128
1,1-Dichloroethene	50.0	52.1		ug/L		104	71 - 131
1,2-Dichloroethene, Total	100	104		ug/L		104	79 - 121
1,2-Dichloropropane	50.0	50.2		ug/L		100	78 - 122
1,3-Dichloropropane	50.0	49.1		ug/L		98	80 - 119
2,2-Dichloropropane	50.0	56.4		ug/L		113	60 - 139
1,1-Dichloropropene	50.0	52.9		ug/L		106	79 - 125
Ethylbenzene	50.0	51.3		ug/L		103	79 - 121
Ethylene Dibromide	50.0	49.5		ug/L		99	75 - 127
Hexachlorobutadiene	50.0	65.9		ug/L		132	66 - 134
2-Hexanone	250	273		ug/L		109	57 - 139
Isopropylbenzene	50.0	52.4		ug/L		105	72 - 131
4-Isopropyltoluene	50.0	58.2		ug/L		116	77 - 127
Methylene Chloride	50.0	50.9		ug/L		102	74 - 124
4-Methyl-2-pentanone (MIBK)	250	277		ug/L		111	67 - 130
Methyl tert-butyl ether	50.0	50.0		ug/L		100	71 - 124
m-Xylene & p-Xylene	50.0	51.7		ug/L		103	80 - 121
Naphthalene	50.0	58.1		ug/L		116	61 - 128
n-Butylbenzene	50.0	63.7		ug/L		127	75 - 128
N-Propylbenzene	50.0	55.3		ug/L		111	76 - 126
o-Xylene	50.0	50.9		ug/L		102	78 - 122
sec-Butylbenzene	50.0	59.6		ug/L		119	77 - 126
Styrene	50.0	50.3		ug/L		101	78 - 123
tert-Butylbenzene	50.0	56.1		ug/L		112	78 - 124
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	78 - 124
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L		101	71 - 121
Tetrachloroethene	50.0	52.4		ug/L		105	74 - 129
Toluene	50.0	52.1		ug/L		104	80 - 121
trans-1,2-Dichloroethene	50.0	52.5		ug/L		105	75 - 124
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	73 - 127
1,2,3-Trichlorobenzene	50.0	57.1		ug/L		114	69 - 129
1,2,4-Trichlorobenzene	50.0	59.1		ug/L		118	69 - 130
1,1,1-Trichloroethane	50.0	53.0		ug/L		106	74 - 131
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	80 - 119
Trichloroethene	50.0	49.3		ug/L		99	79 - 123
Trichlorofluoromethane	50.0	53.0		ug/L		106	65 - 141
1,2,3-Trichloropropane	50.0	50.0		ug/L		100	73 - 122
1,2,4-Trimethylbenzene	50.0	53.6		ug/L		107	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-459061/4
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	54.3		ug/L		109	75 - 124
Vinyl acetate	100	122		ug/L		122	54 - 146
Vinyl chloride	50.0	51.4		ug/L		103	58 - 137
Xylenes, Total	100	103		ug/L		103	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*85 - 114*
Dibromofluoromethane (Surr)	*95*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*
Toluene-d8 (Surr)	*99*		*89 - 112*

Lab Sample ID: LCSD 680-459061/5
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	245		ug/L		98	39 - 160	1	20
Benzene	50.0	51.8		ug/L		104	79 - 120	0	20
Bromobenzene	50.0	48.6		ug/L		97	80 - 120	1	20
Bromoform	50.0	48.2		ug/L		96	66 - 130	0	20
Bromomethane	50.0	38.7		ug/L		77	53 - 141	3	20
2-Butanone (MEK)	250	259		ug/L		104	56 - 143	4	20
Carbon disulfide	50.0	54.5		ug/L		109	64 - 133	2	20
Carbon tetrachloride	50.0	53.5		ug/L		107	72 - 136	2	20
Chlorobenzene	50.0	49.5		ug/L		99	82 - 118	2	20
Chlorobromomethane	50.0	46.2		ug/L		92	78 - 123	2	20
Chlorodibromomethane	50.0	50.3		ug/L		101	74 - 126	1	20
Chloroethane	50.0	56.3		ug/L		113	60 - 138	1	20
Chloroform	50.0	51.0		ug/L		102	79 - 124	0	20
Chloromethane	50.0	48.7		ug/L		97	50 - 139	2	20
2-Chlorotoluene	50.0	53.4		ug/L		107	79 - 122	1	20
4-Chlorotoluene	50.0	52.3		ug/L		105	78 - 122	1	20
cis-1,2-Dichloroethene	50.0	52.5		ug/L		105	78 - 123	2	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	75 - 124	1	20
1,2-Dibromo-3-Chloropropane	50.0	46.4		ug/L		93	62 - 128	0	20
Dibromomethane	50.0	49.1		ug/L		98	79 - 123	0	20
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 119	0	20
1,3-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 119	0	20
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	79 - 118	0	20
Dichlorobromomethane	50.0	50.8		ug/L		102	79 - 125	1	20
Dichlorodifluoromethane	50.0	57.6		ug/L		115	32 - 152	1	20
1,1-Dichloroethane	50.0	52.3		ug/L		105	77 - 125	2	20
1,2-Dichloroethane	50.0	51.4		ug/L		103	73 - 128	1	20
1,1-Dichloroethene	50.0	51.3		ug/L		103	71 - 131	2	20
1,2-Dichloroethene, Total	100	106		ug/L		106	79 - 121	2	20
1,2-Dichloropropane	50.0	50.5		ug/L		101	78 - 122	1	20
1,3-Dichloropropane	50.0	50.2		ug/L		100	80 - 119	2	20
2,2-Dichloropropane	50.0	57.0		ug/L		114	60 - 139	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-459061/5
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	53.8		ug/L		108	79 - 125	2	20
Ethylbenzene			50.0	51.8		ug/L		104	79 - 121	1	20
Ethylene Dibromide			50.0	50.1		ug/L		100	75 - 127	1	20
Hexachlorobutadiene			50.0	65.4		ug/L		131	66 - 134	1	20
2-Hexanone			250	271		ug/L		108	57 - 139	1	20
Isopropylbenzene			50.0	53.2		ug/L		106	72 - 131	1	20
4-Isopropyltoluene			50.0	57.1		ug/L		114	77 - 127	2	20
Methylene Chloride			50.0	50.7		ug/L		101	74 - 124	0	20
4-Methyl-2-pentanone (MIBK)			250	275		ug/L		110	67 - 130	1	20
Methyl tert-butyl ether			50.0	50.2		ug/L		100	71 - 124	0	20
m-Xylene & p-Xylene			50.0	52.7		ug/L		105	80 - 121	2	20
Naphthalene			50.0	56.6		ug/L		113	61 - 128	3	20
n-Butylbenzene			50.0	62.7		ug/L		125	75 - 128	2	20
N-Propylbenzene			50.0	55.4		ug/L		111	76 - 126	0	20
o-Xylene			50.0	51.7		ug/L		103	78 - 122	2	20
sec-Butylbenzene			50.0	59.9		ug/L		120	77 - 126	0	20
Styrene			50.0	50.8		ug/L		102	78 - 123	1	20
tert-Butylbenzene			50.0	55.9		ug/L		112	78 - 124	0	20
1,1,1,2-Tetrachloroethane			50.0	48.5		ug/L		97	78 - 124	0	20
1,1,2,2-Tetrachloroethane			50.0	50.9		ug/L		102	71 - 121	1	20
Tetrachloroethene			50.0	52.5		ug/L		105	74 - 129	0	20
Toluene			50.0	51.7		ug/L		103	80 - 121	1	20
trans-1,2-Dichloroethene			50.0	53.4		ug/L		107	75 - 124	2	20
trans-1,3-Dichloropropene			50.0	51.4		ug/L		103	73 - 127	1	20
1,2,3-Trichlorobenzene			50.0	58.0		ug/L		116	69 - 129	2	20
1,2,4-Trichlorobenzene			50.0	59.3		ug/L		119	69 - 130	0	20
1,1,1-Trichloroethane			50.0	53.1		ug/L		106	74 - 131	0	20
1,1,2-Trichloroethane			50.0	51.1		ug/L		102	80 - 119	0	20
Trichloroethene			50.0	51.2		ug/L		102	79 - 123	4	20
Trichlorofluoromethane			50.0	53.8		ug/L		108	65 - 141	1	20
1,2,3-Trichloropropane			50.0	50.1		ug/L		100	73 - 122	0	20
1,2,4-Trimethylbenzene			50.0	53.6		ug/L		107	76 - 124	0	20
1,3,5-Trimethylbenzene			50.0	54.5		ug/L		109	75 - 124	0	20
Vinyl acetate			100	122		ug/L		122	54 - 146	0	20
Vinyl chloride			50.0	49.9		ug/L		100	58 - 137	3	20
Xylenes, Total			100	104		ug/L		104	79 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-458741/18
Matrix: Water
Analysis Batch: 458741

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/22/16 16:46	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/22/16 16:46	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		11/22/16 16:46	1
Methane (TCD)	77	U	390	77	39	ug/L		11/22/16 16:46	1

Lab Sample ID: LCS 680-458741/15
Matrix: Water
Analysis Batch: 458741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1910		ug/L		99	75 - 125

Lab Sample ID: LCSD 680-458741/16
Matrix: Water
Analysis Batch: 458741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	1920	1870		ug/L		98	75 - 125	2	30

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-459117/4
Matrix: Water
Analysis Batch: 459117

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/25/16 08:55	1

Lab Sample ID: LCS 680-459117/5
Matrix: Water
Analysis Batch: 459117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.84		mg/L		98	87 - 112

Lab Sample ID: LCSD 680-459117/6
Matrix: Water
Analysis Batch: 459117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	9.93		mg/L		99	87 - 112	1	15

Lab Sample ID: 680-132062-4 MS
Matrix: Water
Analysis Batch: 459117

Client Sample ID: G6M-03-07X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.0	U	10.0	9.59	M	mg/L		96	87 - 112

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-132062-4 MSD
Matrix: Water
Analysis Batch: 459117

Client Sample ID: G6M-03-07X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.0	U	10.0	9.71	M	mg/L		97	87 - 112	1	15

Lab Sample ID: 680-132062-16 MS
Matrix: Water
Analysis Batch: 459117

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.4	M	10.0	10.8	M	mg/L		93	87 - 112

Lab Sample ID: 680-132062-16 MSD
Matrix: Water
Analysis Batch: 459117

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.4	M	10.0	10.8	M	mg/L		93	87 - 112	0	15

Lab Sample ID: 680-132062-4 DU
Matrix: Water
Analysis Batch: 459117

Client Sample ID: G6M-03-07X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1.0	U	1.0	U	mg/L		NC	15

Lab Sample ID: 680-132062-16 DU
Matrix: Water
Analysis Batch: 459117

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1.4	M	1.41	M	mg/L		1	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-457819/1-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457819

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/15/16 22:11	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/15/16 22:11	1

Lab Sample ID: LCS 680-457819/2-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4860		ug/L		97	87 - 115
Manganese	500	497		ug/L		99	90 - 114

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 680-457827/1-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457827

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 01:08	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/16/16 01:08	1

Lab Sample ID: LCS 680-457827/2-A
Matrix: Water
Analysis Batch: 458027

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4800		ug/L		96	87 - 115
Manganese	500	490		ug/L		98	90 - 114

Lab Sample ID: MB 680-457872/1-A
Matrix: Water
Analysis Batch: 458053

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457872

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/16/16 13:56	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/16/16 13:56	1

Lab Sample ID: LCS 680-457872/2-A
Matrix: Water
Analysis Batch: 458053

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	5020		ug/L		100	87 - 115
Manganese	500	514		ug/L		103	90 - 114

Lab Sample ID: 680-132062-3 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-04-15X
Prep Type: Dissolved
Prep Batch: 457819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	16000		5000	20200		ug/L		90	87 - 115
Manganese	14000	J	500	13400	4	ug/L		-115	90 - 114

Lab Sample ID: 680-132062-3 MSD
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-04-15X
Prep Type: Dissolved
Prep Batch: 457819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	16000		5000	20200		ug/L		90	87 - 115	0	20
Manganese	14000	J	500	13400	4	ug/L		-114	90 - 114	0	20

Lab Sample ID: 680-132062-4 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-03-07X
Prep Type: Dissolved
Prep Batch: 457819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	81000		5000	86000	4	ug/L		104	87 - 115

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-132062-4 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-03-07X
Prep Type: Dissolved
Prep Batch: 457819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	1400		500	1880		ug/L		93	90 - 114

Lab Sample ID: 680-132062-4 MSD
Matrix: Water
Analysis Batch: 458027

Client Sample ID: G6M-03-07X
Prep Type: Dissolved
Prep Batch: 457819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	81000		5000	85300	4	ug/L		90	87 - 115	1	20
Manganese	1400		500	1860		ug/L		90	90 - 114	1	20

Lab Sample ID: 680-132062-8 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: DUP-5
Prep Type: Dissolved
Prep Batch: 457827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	98		5000	5010		ug/L		98	87 - 115
Manganese	40		500	543		ug/L		101	90 - 114

Lab Sample ID: 680-132062-8 MSD
Matrix: Water
Analysis Batch: 458027

Client Sample ID: DUP-5
Prep Type: Dissolved
Prep Batch: 457827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	98		5000	5190		ug/L		102	87 - 115	4	20
Manganese	40		500	560		ug/L		104	90 - 114	3	20

Lab Sample ID: 680-132062-16 MS
Matrix: Water
Analysis Batch: 458027

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 457827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	47000	J	5000	50400	4	ug/L		71	87 - 115
Manganese	9500	J	500	9720	4	ug/L		41	90 - 114

Lab Sample ID: 680-132062-16 MSD
Matrix: Water
Analysis Batch: 458027

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 457827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	47000	J	5000	52300	4	ug/L		109	87 - 115	4	20
Manganese	9500	J	500	10100	4	ug/L		117	90 - 114	4	20

Lab Sample ID: 680-132062-14 MS
Matrix: Water
Analysis Batch: 458053

Client Sample ID: G6M-13-01X
Prep Type: Dissolved
Prep Batch: 457872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1200		5000	6520		ug/L		107	87 - 115
Manganese	29		500	545		ug/L		103	90 - 114

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-132062-14 MSD
Matrix: Water
Analysis Batch: 458053

Client Sample ID: G6M-13-01X
Prep Type: Dissolved
Prep Batch: 457872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	1200		5000	6580		ug/L		108	87 - 115	1	20
Manganese	29		500	534		ug/L		101	90 - 114	2	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-457818/1-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457818

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 05:25	1

Lab Sample ID: LCS 680-457818/2-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	102		ug/L		102	84 - 116

Lab Sample ID: MB 680-457824/1-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457824

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/17/16 00:06	1

Lab Sample ID: LCS 680-457824/2-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	105		ug/L		105	84 - 116

Lab Sample ID: MB 680-457870/1-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 457870

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/16/16 22:17	1

Lab Sample ID: LCS 680-457870/2-A
Matrix: Water
Analysis Batch: 458221

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 457870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	107		ug/L		107	84 - 116

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-132062-3 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-04-15X
Prep Type: Dissolved
Prep Batch: 457818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	55		100	158		ug/L		103	84 - 116

Lab Sample ID: 680-132062-3 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-04-15X
Prep Type: Dissolved
Prep Batch: 457818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	55		100	157		ug/L		102	84 - 116	1	20

Lab Sample ID: 680-132062-4 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-03-07X
Prep Type: Dissolved
Prep Batch: 457818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	420	J	100	501	4	ug/L		80	84 - 116

Lab Sample ID: 680-132062-4 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-03-07X
Prep Type: Dissolved
Prep Batch: 457818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	420	J	100	506	4	ug/L		85	84 - 116	1	20

Lab Sample ID: 680-132062-8 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: DUP-5
Prep Type: Dissolved
Prep Batch: 457824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	3.0	U	100	104		ug/L		104	84 - 116

Lab Sample ID: 680-132062-8 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: DUP-5
Prep Type: Dissolved
Prep Batch: 457824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	3.0	U	100	106		ug/L		106	84 - 116	3	20

Lab Sample ID: 680-132062-16 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 457824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	410		100	500	4	ug/L		85	84 - 116

Lab Sample ID: 680-132062-16 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 457824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	410		100	519	4	ug/L		105	84 - 116	4	20

Lab Sample ID: 680-132062-14 MS
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-13-01X
Prep Type: Dissolved
Prep Batch: 457870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	3.5		100	109		ug/L		106	84 - 116

Lab Sample ID: 680-132062-14 MSD
Matrix: Water
Analysis Batch: 458221

Client Sample ID: G6M-13-01X
Prep Type: Dissolved
Prep Batch: 457870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	3.5		100	109		ug/L		105	84 - 116	0	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-351660/23
Matrix: Water
Analysis Batch: 351660

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/15/16 17:44	1

Lab Sample ID: LCS 280-351660/22
Matrix: Water
Analysis Batch: 351660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	5.00	5.12		mg/L		102	90 - 110

Lab Sample ID: MRL 280-351660/21
Matrix: Water
Analysis Batch: 351660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	0.100	0.129		mg/L		129	50 - 150

Lab Sample ID: 680-132062-4 MS
Matrix: Water
Analysis Batch: 351660

Client Sample ID: G6M-03-07X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	0.050	U J	4.00	2.02	J	mg/L		50	90 - 110

Lab Sample ID: 680-132062-4 MSD
Matrix: Water
Analysis Batch: 351660

Client Sample ID: G6M-03-07X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate/Nitrite-N	0.050	U J	4.00	2.08	J	mg/L		52	90 - 110	3	10

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-457747/1
Matrix: Water
Analysis Batch: 457747

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/15/16 07:49	1

Lab Sample ID: LCS 680-457747/2
Matrix: Water
Analysis Batch: 457747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	12.2		mg/L		122	75 - 125

Lab Sample ID: LCSD 680-457747/3
Matrix: Water
Analysis Batch: 457747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	11.9		mg/L		119	75 - 125	2	30

Lab Sample ID: MB 680-458134/1
Matrix: Water
Analysis Batch: 458134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1

Lab Sample ID: LCS 680-458134/2
Matrix: Water
Analysis Batch: 458134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	12.0		mg/L		120	75 - 125

Lab Sample ID: LCSD 680-458134/3
Matrix: Water
Analysis Batch: 458134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	12.0		mg/L		120	75 - 125	0	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-352867/35
Matrix: Water
Analysis Batch: 352867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		11/23/16 00:42	1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 280-352867/34
Matrix: Water
Analysis Batch: 352867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	25.6		mg/L		102	88 - 112

Lab Sample ID: MB 280-352869/35
Matrix: Water
Analysis Batch: 352869

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		11/23/16 01:53	1

Lab Sample ID: LCS 280-352869/34
Matrix: Water
Analysis Batch: 352869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	25.6		mg/L		102	88 - 112

Lab Sample ID: MB 280-353237/37
Matrix: Water
Analysis Batch: 353237

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.221	J	1.0	0.50	0.16	mg/L		11/23/16 23:26	1

Lab Sample ID: MB 280-353237/5
Matrix: Water
Analysis Batch: 353237

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		11/23/16 15:02	1

Lab Sample ID: LCS 280-353237/3
Matrix: Water
Analysis Batch: 353237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	24.0		mg/L		96	88 - 112

Lab Sample ID: LCS 280-353237/35
Matrix: Water
Analysis Batch: 353237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	24.2		mg/L		97	88 - 112

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 280-353237/36
Matrix: Water
Analysis Batch: 353237

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates			25.0	24.1		mg/L		96	88 - 112	1	15

Lab Sample ID: LCSD 280-353237/4
Matrix: Water
Analysis Batch: 353237

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates			25.0	24.4		mg/L		97	88 - 112	2	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-351620/6
Matrix: Water
Analysis Batch: 351620

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	2.87	J	5.0	3.2	1.1	mg/L		11/15/16 11:53	1

Lab Sample ID: LCS 280-351620/4
Matrix: Water
Analysis Batch: 351620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity			200	196		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-351620/5
Matrix: Water
Analysis Batch: 351620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity			200	197		mg/L		98	90 - 110	0	10

Lab Sample ID: MB 280-351701/5
Matrix: Water
Analysis Batch: 351701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	3.2	U	5.0	3.2	1.1	mg/L		11/15/16 15:49	1

Lab Sample ID: LCS 280-351701/4
Matrix: Water
Analysis Batch: 351701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity			200	202		mg/L		101	90 - 110

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 680-132062-8 DU
Matrix: Water
Analysis Batch: 351701

Client Sample ID: DUP-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	15		10.8		mg/L		32	10

Lab Sample ID: MB 280-352331/5
Matrix: Water
Analysis Batch: 352331

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	3.15	J	5.0	3.2	1.1	mg/L		11/17/16 11:20	1

Lab Sample ID: LCS 280-352331/4
Matrix: Water
Analysis Batch: 352331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	197		mg/L		99	90 - 110

Lab Sample ID: MB 280-352335/6
Matrix: Water
Analysis Batch: 352335

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	1.67	J	5.0	3.2	1.1	mg/L		11/17/16 10:25	1

Lab Sample ID: LCS 280-352335/4
Matrix: Water
Analysis Batch: 352335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	201		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-352335/5
Matrix: Water
Analysis Batch: 352335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	200	200		mg/L		100	90 - 110	0	10

Lab Sample ID: MB 280-352339/6
Matrix: Water
Analysis Batch: 352339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	1.65	J	5.0	3.2	1.1	mg/L		11/17/16 15:02	1

Lab Sample ID: LCS 280-352339/4
Matrix: Water
Analysis Batch: 352339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	204		mg/L		102	90 - 110

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Lab Sample ID: LCSD 280-352339/5
Matrix: Water
Analysis Batch: 352339

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity			200	195		mg/L		98	90 - 110	4	10

GC/MS VOA

Analysis Batch: 458718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-1	G6M-04-11X	Total/NA	Water	8260B	
680-132062-3	G6M-04-15X	Total/NA	Water	8260B	
680-132062-4	G6M-03-07X	Total/NA	Water	8260B	
680-132062-5	G6M-13-03X	Total/NA	Water	8260B	
680-132062-7	G6M-07-02X	Total/NA	Water	8260B	
680-132062-8	DUP-5	Total/NA	Water	8260B	
680-132062-9	G6M-04-13X	Total/NA	Water	8260B	
680-132062-10	Trip Blank	Total/NA	Water	8260B	
680-132062-11	G6M-02-08X	Total/NA	Water	8260B	
680-132062-12	G6M-03-01X	Total/NA	Water	8260B	
680-132062-13	DUP-1	Total/NA	Water	8260B	
680-132062-14	G6M-13-01X	Total/NA	Water	8260B	
680-132062-15	G6M-13-04X	Total/NA	Water	8260B	
680-132062-16	MW-3	Total/NA	Water	8260B	
680-132062-17	G6M-13-05X	Total/NA	Water	8260B	
680-132062-18	G6M-03-02X	Total/NA	Water	8260B	
680-132062-19	G6M-04-03X	Total/NA	Water	8260B	
680-132062-20	DUP-3	Total/NA	Water	8260B	
MB 680-458718/9	Method Blank	Total/NA	Water	8260B	
LCS 680-458718/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-458718/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 458894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-6	G6M-04-10A	Total/NA	Water	8260B	
680-132062-21	G6M-04-02X	Total/NA	Water	8260B	
680-132062-22	DUP-2	Total/NA	Water	8260B	
680-132062-23	G6M-04-14X	Total/NA	Water	8260B	
680-132062-24	G6M-02-07X	Total/NA	Water	8260B	
680-132062-25	G6M-12-98X	Total/NA	Water	8260B	
680-132062-26	DUP-4	Total/NA	Water	8260B	
680-132062-27	G6M-02-06X	Total/NA	Water	8260B	
MB 680-458894/12	Method Blank	Total/NA	Water	8260B	
LCS 680-458894/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-458894/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 459061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-1 - RA	G6M-04-11X	Total/NA	Water	8260B	
680-132062-3 - RA	G6M-04-15X	Total/NA	Water	8260B	
680-132062-4 - RA	G6M-03-07X	Total/NA	Water	8260B	
680-132062-5 - RA	G6M-13-03X	Total/NA	Water	8260B	
680-132062-10 - RA	Trip Blank	Total/NA	Water	8260B	
680-132062-11 - RA	G6M-02-08X	Total/NA	Water	8260B	
MB 680-459061/9	Method Blank	Total/NA	Water	8260B	
LCS 680-459061/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-459061/5	Lab Control Sample Dup	Total/NA	Water	8260B	

QC Association Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

GC VOA

Analysis Batch: 458741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-4	G6M-03-07X	Total/NA	Water	RSK-175	
680-132062-6	G6M-04-10A	Total/NA	Water	RSK-175	
680-132062-7	G6M-07-02X	Total/NA	Water	RSK-175	
680-132062-8	DUP-5	Total/NA	Water	RSK-175	
680-132062-11	G6M-02-08X	Total/NA	Water	RSK-175	
680-132062-15	G6M-13-04X	Total/NA	Water	RSK-175	
680-132062-16	MW-3	Total/NA	Water	RSK-175	
680-132062-18	G6M-03-02X	Total/NA	Water	RSK-175	
680-132062-19	G6M-04-03X	Total/NA	Water	RSK-175	
680-132062-20	DUP-3	Total/NA	Water	RSK-175	
MB 680-458741/18	Method Blank	Total/NA	Water	RSK-175	
LCS 680-458741/15	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-458741/16	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 459117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-4	G6M-03-07X	Total/NA	Water	9056A	
680-132062-6	G6M-04-10A	Total/NA	Water	9056A	
680-132062-7	G6M-07-02X	Total/NA	Water	9056A	
680-132062-8	DUP-5	Total/NA	Water	9056A	
680-132062-11	G6M-02-08X	Total/NA	Water	9056A	
680-132062-15	G6M-13-04X	Total/NA	Water	9056A	
680-132062-16	MW-3	Total/NA	Water	9056A	
680-132062-18	G6M-03-02X	Total/NA	Water	9056A	
680-132062-19	G6M-04-03X	Total/NA	Water	9056A	
680-132062-20	DUP-3	Total/NA	Water	9056A	
MB 680-459117/4	Method Blank	Total/NA	Water	9056A	
LCS 680-459117/5	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-459117/6	Lab Control Sample Dup	Total/NA	Water	9056A	
680-132062-4 MS	G6M-03-07X	Total/NA	Water	9056A	
680-132062-4 MSD	G6M-03-07X	Total/NA	Water	9056A	
680-132062-16 MS	MW-3	Total/NA	Water	9056A	
680-132062-16 MSD	MW-3	Total/NA	Water	9056A	
680-132062-4 DU	G6M-03-07X	Total/NA	Water	9056A	
680-132062-16 DU	MW-3	Total/NA	Water	9056A	

Metals

Prep Batch: 457818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-2	G6M-04-31X	Dissolved	Water	3005A	
680-132062-3	G6M-04-15X	Dissolved	Water	3005A	
680-132062-4	G6M-03-07X	Dissolved	Water	3005A	
680-132062-5	G6M-13-03X	Dissolved	Water	3005A	
680-132062-6	G6M-04-10A	Dissolved	Water	3005A	
680-132062-7	G6M-07-02X	Dissolved	Water	3005A	
680-132062-9	G6M-04-13X	Dissolved	Water	3005A	
680-132062-11	G6M-02-08X	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 457818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-15	G6M-13-04X	Dissolved	Water	3005A	
680-132062-17	G6M-13-05X	Dissolved	Water	3005A	
680-132062-18	G6M-03-02X	Dissolved	Water	3005A	
680-132062-19	G6M-04-03X	Dissolved	Water	3005A	
680-132062-20	DUP-3	Dissolved	Water	3005A	
680-132062-21	G6M-04-02X	Dissolved	Water	3005A	
680-132062-22	DUP-2	Dissolved	Water	3005A	
680-132062-23	G6M-04-14X	Dissolved	Water	3005A	
680-132062-24	G6M-02-07X	Dissolved	Water	3005A	
680-132062-25	G6M-12-98X	Dissolved	Water	3005A	
680-132062-26	DUP-4	Dissolved	Water	3005A	
680-132062-27	G6M-02-06X	Dissolved	Water	3005A	
MB 680-457818/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457818/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132062-3 MS	G6M-04-15X	Dissolved	Water	3005A	
680-132062-3 MSD	G6M-04-15X	Dissolved	Water	3005A	
680-132062-4 MS	G6M-03-07X	Dissolved	Water	3005A	
680-132062-4 MSD	G6M-03-07X	Dissolved	Water	3005A	

Prep Batch: 457819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-3	G6M-04-15X	Dissolved	Water	3005A	
680-132062-4	G6M-03-07X	Dissolved	Water	3005A	
680-132062-5	G6M-13-03X	Dissolved	Water	3005A	
680-132062-6	G6M-04-10A	Dissolved	Water	3005A	
680-132062-7	G6M-07-02X	Dissolved	Water	3005A	
680-132062-9	G6M-04-13X	Dissolved	Water	3005A	
680-132062-11	G6M-02-08X	Dissolved	Water	3005A	
680-132062-15	G6M-13-04X	Dissolved	Water	3005A	
680-132062-17	G6M-13-05X	Dissolved	Water	3005A	
680-132062-18	G6M-03-02X	Dissolved	Water	3005A	
680-132062-19	G6M-04-03X	Dissolved	Water	3005A	
680-132062-20	DUP-3	Dissolved	Water	3005A	
680-132062-21	G6M-04-02X	Dissolved	Water	3005A	
680-132062-22	DUP-2	Dissolved	Water	3005A	
680-132062-23	G6M-04-14X	Dissolved	Water	3005A	
680-132062-24	G6M-02-07X	Dissolved	Water	3005A	
680-132062-25	G6M-12-98X	Dissolved	Water	3005A	
680-132062-26	DUP-4	Dissolved	Water	3005A	
680-132062-27	G6M-02-06X	Dissolved	Water	3005A	
MB 680-457819/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457819/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132062-3 MS	G6M-04-15X	Dissolved	Water	3005A	
680-132062-3 MSD	G6M-04-15X	Dissolved	Water	3005A	
680-132062-4 MS	G6M-03-07X	Dissolved	Water	3005A	
680-132062-4 MSD	G6M-03-07X	Dissolved	Water	3005A	

Prep Batch: 457824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-8	DUP-5	Dissolved	Water	3005A	
680-132062-16	MW-3	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 457824 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-457824/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457824/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132062-8 MS	DUP-5	Dissolved	Water	3005A	
680-132062-8 MSD	DUP-5	Dissolved	Water	3005A	
680-132062-16 MS	MW-3	Dissolved	Water	3005A	
680-132062-16 MSD	MW-3	Dissolved	Water	3005A	

Prep Batch: 457827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-8	DUP-5	Dissolved	Water	3005A	
680-132062-16	MW-3	Dissolved	Water	3005A	
MB 680-457827/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457827/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132062-8 MS	DUP-5	Dissolved	Water	3005A	
680-132062-8 MSD	DUP-5	Dissolved	Water	3005A	
680-132062-16 MS	MW-3	Dissolved	Water	3005A	
680-132062-16 MSD	MW-3	Dissolved	Water	3005A	

Prep Batch: 457870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-14	G6M-13-01X	Dissolved	Water	3005A	
MB 680-457870/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457870/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132062-14 MS	G6M-13-01X	Dissolved	Water	3005A	
680-132062-14 MSD	G6M-13-01X	Dissolved	Water	3005A	

Prep Batch: 457872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-14	G6M-13-01X	Dissolved	Water	3005A	
MB 680-457872/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-457872/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132062-14 MS	G6M-13-01X	Dissolved	Water	3005A	
680-132062-14 MSD	G6M-13-01X	Dissolved	Water	3005A	

Analysis Batch: 458027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-3	G6M-04-15X	Dissolved	Water	6010C	457819
680-132062-4	G6M-03-07X	Dissolved	Water	6010C	457819
680-132062-5	G6M-13-03X	Dissolved	Water	6010C	457819
680-132062-6	G6M-04-10A	Dissolved	Water	6010C	457819
680-132062-7	G6M-07-02X	Dissolved	Water	6010C	457819
680-132062-8	DUP-5	Dissolved	Water	6010C	457827
680-132062-9	G6M-04-13X	Dissolved	Water	6010C	457819
680-132062-11	G6M-02-08X	Dissolved	Water	6010C	457819
680-132062-15	G6M-13-04X	Dissolved	Water	6010C	457819
680-132062-16	MW-3	Dissolved	Water	6010C	457827
680-132062-17	G6M-13-05X	Dissolved	Water	6010C	457819
680-132062-18	G6M-03-02X	Dissolved	Water	6010C	457819
680-132062-19	G6M-04-03X	Dissolved	Water	6010C	457819
680-132062-19	G6M-04-03X	Dissolved	Water	6010C	457819
680-132062-20	DUP-3	Dissolved	Water	6010C	457819

Metals (Continued)

Analysis Batch: 458027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-20	DUP-3	Dissolved	Water	6010C	457819
680-132062-21	G6M-04-02X	Dissolved	Water	6010C	457819
680-132062-22	DUP-2	Dissolved	Water	6010C	457819
680-132062-23	G6M-04-14X	Dissolved	Water	6010C	457819
680-132062-24	G6M-02-07X	Dissolved	Water	6010C	457819
680-132062-25	G6M-12-98X	Dissolved	Water	6010C	457819
680-132062-26	DUP-4	Dissolved	Water	6010C	457819
680-132062-27	G6M-02-06X	Dissolved	Water	6010C	457819
MB 680-457819/1-A	Method Blank	Total Recoverable	Water	6010C	457819
MB 680-457827/1-A	Method Blank	Total Recoverable	Water	6010C	457827
LCS 680-457819/2-A	Lab Control Sample	Total Recoverable	Water	6010C	457819
LCS 680-457827/2-A	Lab Control Sample	Total Recoverable	Water	6010C	457827
680-132062-3 MS	G6M-04-15X	Dissolved	Water	6010C	457819
680-132062-3 MSD	G6M-04-15X	Dissolved	Water	6010C	457819
680-132062-4 MS	G6M-03-07X	Dissolved	Water	6010C	457819
680-132062-4 MSD	G6M-03-07X	Dissolved	Water	6010C	457819
680-132062-8 MS	DUP-5	Dissolved	Water	6010C	457827
680-132062-8 MSD	DUP-5	Dissolved	Water	6010C	457827
680-132062-16 MS	MW-3	Dissolved	Water	6010C	457827
680-132062-16 MSD	MW-3	Dissolved	Water	6010C	457827

Analysis Batch: 458053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-14	G6M-13-01X	Dissolved	Water	6010C	457872
MB 680-457872/1-A	Method Blank	Total Recoverable	Water	6010C	457872
LCS 680-457872/2-A	Lab Control Sample	Total Recoverable	Water	6010C	457872
680-132062-14 MS	G6M-13-01X	Dissolved	Water	6010C	457872
680-132062-14 MSD	G6M-13-01X	Dissolved	Water	6010C	457872

Analysis Batch: 458221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-2	G6M-04-31X	Dissolved	Water	6020A	457818
680-132062-3	G6M-04-15X	Dissolved	Water	6020A	457818
680-132062-4	G6M-03-07X	Dissolved	Water	6020A	457818
680-132062-5	G6M-13-03X	Dissolved	Water	6020A	457818
680-132062-6	G6M-04-10A	Dissolved	Water	6020A	457818
680-132062-7	G6M-07-02X	Dissolved	Water	6020A	457818
680-132062-8	DUP-5	Dissolved	Water	6020A	457824
680-132062-9	G6M-04-13X	Dissolved	Water	6020A	457818
680-132062-11	G6M-02-08X	Dissolved	Water	6020A	457818
680-132062-14	G6M-13-01X	Dissolved	Water	6020A	457870
680-132062-15	G6M-13-04X	Dissolved	Water	6020A	457818
680-132062-16	MW-3	Dissolved	Water	6020A	457824
680-132062-17	G6M-13-05X	Dissolved	Water	6020A	457818
680-132062-18	G6M-03-02X	Dissolved	Water	6020A	457818
680-132062-19	G6M-04-03X	Dissolved	Water	6020A	457818
680-132062-20	DUP-3	Dissolved	Water	6020A	457818
680-132062-21	G6M-04-02X	Dissolved	Water	6020A	457818
680-132062-22	DUP-2	Dissolved	Water	6020A	457818
680-132062-23	G6M-04-14X	Dissolved	Water	6020A	457818
680-132062-24	G6M-02-07X	Dissolved	Water	6020A	457818

Metals (Continued)

Analysis Batch: 458221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-25	G6M-12-98X	Dissolved	Water	6020A	457818
680-132062-26	DUP-4	Dissolved	Water	6020A	457818
680-132062-27	G6M-02-06X	Dissolved	Water	6020A	457818
MB 680-457818/1-A	Method Blank	Total Recoverable	Water	6020A	457818
MB 680-457824/1-A	Method Blank	Total Recoverable	Water	6020A	457824
MB 680-457870/1-A	Method Blank	Total Recoverable	Water	6020A	457870
LCS 680-457818/2-A	Lab Control Sample	Total Recoverable	Water	6020A	457818
LCS 680-457824/2-A	Lab Control Sample	Total Recoverable	Water	6020A	457824
LCS 680-457870/2-A	Lab Control Sample	Total Recoverable	Water	6020A	457870
680-132062-3 MS	G6M-04-15X	Dissolved	Water	6020A	457818
680-132062-3 MSD	G6M-04-15X	Dissolved	Water	6020A	457818
680-132062-4 MS	G6M-03-07X	Dissolved	Water	6020A	457818
680-132062-4 MSD	G6M-03-07X	Dissolved	Water	6020A	457818
680-132062-8 MS	DUP-5	Dissolved	Water	6020A	457824
680-132062-8 MSD	DUP-5	Dissolved	Water	6020A	457824
680-132062-14 MS	G6M-13-01X	Dissolved	Water	6020A	457870
680-132062-14 MSD	G6M-13-01X	Dissolved	Water	6020A	457870
680-132062-16 MS	MW-3	Dissolved	Water	6020A	457824
680-132062-16 MSD	MW-3	Dissolved	Water	6020A	457824

General Chemistry

Analysis Batch: 351620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-6	G6M-04-10A	Total/NA	Water	SM 2320B	
MB 280-351620/6	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-351620/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-351620/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 351660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-4	G6M-03-07X	Total/NA	Water	353.2	
680-132062-6	G6M-04-10A	Total/NA	Water	353.2	
680-132062-7	G6M-07-02X	Total/NA	Water	353.2	
680-132062-8	DUP-5	Total/NA	Water	353.2	
680-132062-11	G6M-02-08X	Total/NA	Water	353.2	
680-132062-15	G6M-13-04X	Total/NA	Water	353.2	
680-132062-16	MW-3	Total/NA	Water	353.2	
680-132062-18	G6M-03-02X	Total/NA	Water	353.2	
680-132062-19	G6M-04-03X	Total/NA	Water	353.2	
680-132062-20	DUP-3	Total/NA	Water	353.2	
MB 280-351660/23	Method Blank	Total/NA	Water	353.2	
LCS 280-351660/22	Lab Control Sample	Total/NA	Water	353.2	
MRL 280-351660/21	Lab Control Sample	Total/NA	Water	353.2	
680-132062-4 MS	G6M-03-07X	Total/NA	Water	353.2	
680-132062-4 MSD	G6M-03-07X	Total/NA	Water	353.2	

Analysis Batch: 351701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-8	DUP-5	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 351701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-351701/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-351701/4	Lab Control Sample	Total/NA	Water	SM 2320B	
680-132062-8 DU	DUP-5	Total/NA	Water	SM 2320B	

Analysis Batch: 352331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-15	G6M-13-04X	Total/NA	Water	SM 2320B	
680-132062-16	MW-3	Total/NA	Water	SM 2320B	
MB 280-352331/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-352331/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 352335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-7	G6M-07-02X	Total/NA	Water	SM 2320B	
MB 280-352335/6	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-352335/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-352335/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 352339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-4	G6M-03-07X	Total/NA	Water	SM 2320B	
680-132062-11	G6M-02-08X	Total/NA	Water	SM 2320B	
680-132062-18	G6M-03-02X	Total/NA	Water	SM 2320B	
680-132062-19	G6M-04-03X	Total/NA	Water	SM 2320B	
680-132062-20	DUP-3	Total/NA	Water	SM 2320B	
MB 280-352339/6	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-352339/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-352339/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 352867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-18	G6M-03-02X	Total/NA	Water	9060A	
680-132062-19	G6M-04-03X	Total/NA	Water	9060A	
680-132062-20	DUP-3	Total/NA	Water	9060A	
MB 280-352867/35	Method Blank	Total/NA	Water	9060A	
LCS 280-352867/34	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 352869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-4	G6M-03-07X	Total/NA	Water	9060A	
680-132062-6	G6M-04-10A	Total/NA	Water	9060A	
680-132062-7	G6M-07-02X	Total/NA	Water	9060A	
680-132062-8	DUP-5	Total/NA	Water	9060A	
680-132062-11	G6M-02-08X	Total/NA	Water	9060A	
680-132062-15	G6M-13-04X	Total/NA	Water	9060A	
MB 280-352869/35	Method Blank	Total/NA	Water	9060A	
LCS 280-352869/34	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 353237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-16	MW-3	Total/NA	Water	9060A	

General Chemistry (Continued)

Analysis Batch: 353237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-353237/37	Method Blank	Total/NA	Water	9060A	
MB 280-353237/5	Method Blank	Total/NA	Water	9060A	
LCS 280-353237/3	Lab Control Sample	Total/NA	Water	9060A	
LCS 280-353237/35	Lab Control Sample	Total/NA	Water	9060A	
LCSD 280-353237/36	Lab Control Sample Dup	Total/NA	Water	9060A	
LCSD 280-353237/4	Lab Control Sample Dup	Total/NA	Water	9060A	

Analysis Batch: 457747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-4	G6M-03-07X	Total/NA	Water	9034	
680-132062-6	G6M-04-10A	Total/NA	Water	9034	
680-132062-7	G6M-07-02X	Total/NA	Water	9034	
680-132062-8	DUP-5	Total/NA	Water	9034	
680-132062-11	G6M-02-08X	Total/NA	Water	9034	
680-132062-15	G6M-13-04X	Total/NA	Water	9034	
680-132062-16	MW-3	Total/NA	Water	9034	
680-132062-20	DUP-3	Total/NA	Water	9034	
MB 680-457747/1	Method Blank	Total/NA	Water	9034	
LCS 680-457747/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-457747/3	Lab Control Sample Dup	Total/NA	Water	9034	

Analysis Batch: 458134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132062-18	G6M-03-02X	Total/NA	Water	9034	
680-132062-19	G6M-04-03X	Total/NA	Water	9034	
MB 680-458134/1	Method Blank	Total/NA	Water	9034	
LCS 680-458134/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-458134/3	Lab Control Sample Dup	Total/NA	Water	9034	

Client Sample ID: G6M-04-11X
Date Collected: 11/10/16 10:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 10:01	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	459061	11/25/16 11:09	JD1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: G6M-04-31X
Date Collected: 11/10/16 12:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 07:15	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-15X
Date Collected: 11/10/16 14:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 10:21	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	459061	11/25/16 11:32	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 22:21	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 05:32	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-03-07X
Date Collected: 11/10/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 10:42	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	459061	11/25/16 11:56	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 19:03	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 10:05	JRJ	TAL SAV
	Instrument ID: CICL									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-03-07X
Date Collected: 11/10/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 22:58	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 05:50	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 17:46	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352869	11/23/16 08:06	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352339	11/17/16 15:15	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-13-03X
Date Collected: 11/10/16 16:55
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 11:02	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	459061	11/25/16 12:19	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 23:13	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:08	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-10A
Date Collected: 11/09/16 14:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 10:38	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 20:18	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 13:51	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV

Client Sample ID: G6M-04-10A

Date Collected: 11/09/16 14:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458027	11/15/16 23:19	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:11	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 17:52	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352869	11/23/16 08:24	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			351620	11/15/16 12:19	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-07-02X

Date Collected: 11/09/16 16:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	458718	11/22/16 15:08	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 20:31	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 15:18	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 23:24	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:15	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 17:54	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352869	11/23/16 08:38	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352335	11/17/16 10:44	MMC	TAL DEN
	Instrument ID: WC-AT3									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: DUP-5

Date Collected: 11/09/16 15:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	458718	11/22/16 15:28	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 20:44	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 15:35	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457827	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 01:55	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457824	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 00:31	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 17:56	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352869	11/23/16 08:53	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			351701	11/15/16 15:53	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-04-13X

Date Collected: 11/10/16 07:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 11:43	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:57	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 07:12	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: Trip Blank

Date Collected: 11/10/16 00:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 09:40	JD1	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: Trip Blank

Lab Sample ID: 680-132062-10
Matrix: Water
Date Collected: 11/10/16 00:00
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	459061	11/25/16 10:45	JD1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: G6M-02-08X

Lab Sample ID: 680-132062-11
Matrix: Water
Date Collected: 11/10/16 08:40
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 12:03	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	459061	11/25/16 12:43	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 20:57	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 15:53	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 23:39	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:19	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 17:58	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		50			352869	11/23/16 09:48	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352339	11/17/16 15:21	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-03-01X

Lab Sample ID: 680-132062-12
Matrix: Water
Date Collected: 11/10/16 10:00
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 12:24	JD1	TAL SAV
	Instrument ID: CMSB									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: DUP-1

Date Collected: 11/10/16 10:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 12:44	JD1	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: G6M-13-01X

Date Collected: 11/11/16 09:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 13:05	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457872	11/15/16 16:43	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458053	11/16/16 15:40	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457870	11/15/16 16:43	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/16/16 22:27	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-13-04X

Date Collected: 11/11/16 10:55
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 13:25	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 21:10	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 16:10	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 23:45	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:22	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 18:00	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352869	11/23/16 10:07	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352331	11/17/16 11:54	MMC	TAL DEN
	Instrument ID: WC_AT2									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: MW-3

Date Collected: 11/11/16 12:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 13:46	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 21:22	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 14:08	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457827	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 01:18	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457824	11/15/16 12:11	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 00:13	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 18:14	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353237	11/24/16 00:43	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1			352331	11/17/16 12:00	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-13-05X

Date Collected: 11/10/16 10:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	458718	11/22/16 15:49	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 23:50	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:26	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-03-02X

Date Collected: 11/10/16 12:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 14:06	JD1	TAL SAV
	Instrument ID: CMSB									

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-03-02X

Date Collected: 11/10/16 12:50
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 21:35	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 17:02	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/15/16 23:55	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:29	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 18:16	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 10:30	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		3.57			352867	11/23/16 03:15	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1			352339	11/17/16 15:25	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-04-03X

Date Collected: 11/10/16 14:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 14:27	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 21:48	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 17:20	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:52	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		10			458027	11/16/16 12:48	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 07:08	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 18:18	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 10:30	LAF	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: G6M-04-03X

Date Collected: 11/10/16 14:30
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1			352867	11/23/16 02:58	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1			352339	11/17/16 15:30	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: DUP-3

Date Collected: 11/10/16 15:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458718	11/22/16 14:47	JD1	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458741	11/22/16 22:01	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459117	11/25/16 17:37	JRJ	TAL SAV
	Instrument ID: CICL									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:00	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		10			458027	11/16/16 12:44	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:33	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	351660	11/15/16 18:20	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	457747	11/15/16 10:15	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			352867	11/23/16 03:36	CCJ	TAL DEN
	Instrument ID: WC_SHI3									
Total/NA	Analysis	SM 2320B		1			352339	11/17/16 15:34	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-04-02X

Date Collected: 11/10/16 16:20
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 10:59	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV

Client Sample ID: G6M-04-02X

Lab Sample ID: 680-132062-21

Date Collected: 11/10/16 16:20
Matrix: Water
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458027	11/16/16 00:16	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:51	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: DUP-2

Lab Sample ID: 680-132062-22

Date Collected: 11/10/16 16:45
Matrix: Water
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 11:19	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:05	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:36	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-14X

Lab Sample ID: 680-132062-23

Date Collected: 11/11/16 09:15
Matrix: Water
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 11:40	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:11	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:40	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-02-07X

Lab Sample ID: 680-132062-24

Date Collected: 11/11/16 11:40
Matrix: Water
Date Received: 11/12/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 12:00	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-02-07X
Date Collected: 11/11/16 11:40
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458027	11/16/16 00:21	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:54	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-12-98X
Date Collected: 11/11/16 12:25
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 12:21	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:26	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 06:58	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: DUP-4
Date Collected: 11/11/16 13:00
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 12:41	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458027	11/16/16 00:42	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 07:01	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-02-06X
Date Collected: 11/11/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	458894	11/23/16 13:02	JD1	TAL SAV
	Instrument ID: CMSB									
Dissolved	Prep	3005A			50 mL	50 mL	457819	11/15/16 11:21	AJR	TAL SAV

Lab Chronicle

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Client Sample ID: G6M-02-06X
Date Collected: 11/11/16 15:15
Date Received: 11/12/16 09:55

Lab Sample ID: 680-132062-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458027	11/16/16 00:47	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	457818	11/15/16 11:21	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458221	11/17/16 07:05	BJB	TAL SAV
	Instrument ID: ICPMSD									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 1 of 3

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affiliation: [illegible]

Sampler(s) Signature(s): [illegible]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.:
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT:
Other:

Preservatives (see codes)

Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals* SW6010 6020 1-250 ml poly (HNO3)	Sulfate SW9056 1-125-ml poly	Nitrate Nitrite E353.2 1-125ml amber glass (H2SO4)	Alkalinity SM2320B 1-250-ml poly	Sulfide SW9034 2-250ml poly (Zn acetate&NaOH)	TOC SW9060 1-250-ml amber glass (H2SO4)	Remarks	Lab No
GGM-04-11X	11/10/16	1030	P	GW	3	X									
GGM-04-31X	11/10/16	1250	P	GW	1			X						As Only	
GGM-04-15X	11/10/16	1400	P	GW	4	X		X							
GGM-03-07X	11/10/16	1515	P	GW		X	X	X	X	X	X	X	X		
GGM-13-03X	11/10/16	1655	P	GW	4	X		X							
GGM-04-10A	11/9/16	1420	P	GW		X	X	X	X	X	X	X	X		
GGM-07-02X	11/9/16	1620	P	GW		X	X	X	X	X	X	X	X		
DUP-5	11/11/16	1550	P	GW		X	X	X	X	X	X	X			
GGM-04-13X	11/10/16	740	P	GW		X		X							
Trip Blank			O	O		X									
GGM-02-08X	11/10/16	840		GW		X	X	X	X	X	X	X			
GGM-03-01X	11/10/16	1000		GW		X									
DUP-1	11/10/16	1030		GW		X									

Shipping Details: courier pick up 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Additional Comments:
* Dissolved Metals include Fe, Mn (6010), As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
	[illegible]	11/11/16	1025			
	[illegible]	[illegible]	[illegible]			
	[illegible]	11/11/16	1100			
				[illegible]	11/11/16	09:45

email logins and results to:
[illegible]@komangs.com
[illegible]@komangs.com

Lab Comments
Seal #
Preserve Where Applicable ☐
On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A - Air; GW - Groundwater; SE - Sediment; SP - Soil; SW - Surface Water; O - Other
PRESERVATIVE CODES: H - HCL - Ice; I - Ice Only; N - Nitric Acid - Ice; S - Sulfuric Acid - Ice; M - Methanol; O - Other
COLLECTION METHOD CODES: C - Composite; G - Grab; P - Pumping; O - Other

19/16 07/09

COC Workorder: | Devens - AOC50

Chain of Custody Record

Page 2 of 3

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 | Fax: 508-366-7445

Sampled by [Print Name(s)]/Affiliation: [illegible]

Sampler(s) Signature(s): [illegible]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.
Approval Date
TAT
Other

Preservatives (see codes) / Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs SW8260 3-40 ml vials (HCl)	MFE/RSK 175 3-40 ml VOA vials (HCl)	Dissolved Metals* SW6010/6020 1-250 ml poly (HNO3)	Sulfate SW9056 1-125 ml poly	Nitrate/Nitrite E353.2 1-125 ml amber glass (H2SO4)	Alkalinity SM2320B 1-250 ml poly	Sulfide SW9034 1-250 ml poly (Zn acetate&NaOH)	TOC SW9060 1-250 ml amber glass (H2SO4)	Remarks	Lab. No.
GGM-13-01X	11/11/16	0925	P	GW	4	X		X							
GGM-13-04X	11/11/16	1055	P	GW		X	X	X	X	X	X	X	X		
MW-3	11/10/16	1040	P	GW		X	X	X	X	X	X	X	X		
GGM-13-05X	11/10/16	1040	P	GW		X		X							
GGM-03-02X	11/10/16	1250	P	GW		X	X	X	X	X	X	X	X		
GGM-04-03X	11/10/16	1430	P	GW		X	X	X	X	X	X	X	X		
DUP-3	11/10/16	1500	P	GW		X	X	X	X	X	X	X	X		
GGM-04-02X	11/10/16	1620	P	GW		X	~~X~~	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	** VOC & diss metals only	
DUP-2	11/10/16	1645	P	GW		X	~~X~~	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	** VOC & diss metals only	
~~Trip Blank~~ GGM-04-~~09X~~ *14X	11/11/16	915	N	GW		X		X							
GGM-02-07X	11/11/16	1140		GW		X		X							
GGM-12-98X	11/11/16	1225		GW		X		X							
DUP-4	11/11/16	1300		GW		X		X							

Shipping Details: courier pick up | 0 ← Total Number of Containers

Date Out: | Via:
Returned: | Via:

Additional Comments:
* = Dissolved Metals include Fe, Mn (6010), As (6020)
*Revised ID per L. Ekes
**Confirmed Analyses w/ L. Ekes
11/15/16 A Ramalan

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
	[illegible]	11/11/16	1405			
	[illegible]	[illegible]	1405			
	[illegible]	[illegible]	1800			

email logins and results to:
lekes@komangs.com
canderson@komangs.com

Lab Comments
Seal # _____ Preserve Where Applicable ☐ On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air | GW = Groundwater | SE = Sediment | SP = Soil | SW = Surface Water | O = Other
PRESERVATIVE CODES: H = HCL + Ice | I = Ice Only | N = Nitric Acid + Ice | S = Sulfuric Acid + Ice | M = Methanol | O = Other
COLLECTION METHOD CODES: C = Composite | G = Grab | P = Pumping | O = Other

11/16 07/09

11/29/2016

COC Worksheet | Devens - AOC50

Chain of Custody Record

Page 3 of 3

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 21
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)] Affiliation: [illegible]

Sampler(s) Signature(s): [illegible]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.:
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT:
Other:

Preservatives (see codes): H H N I S I O S

Analyses Requested

Sample ID No	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl)	MEE-RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*-SW6010 6020 1-250 ml poly (HNO3)	Sulfate SW9056 1-125-ml poly	Nitrate Nitrite E353.2 1-125ml amber glass (H2SO4)	Alkalinity SM2320B 1-250-ml poly	Sulfide SW9034 2-250ml poly (Zn acetate& NaOH)	TOC SW9060 1-250-ml amber glass (H2SO4)	Remarks	Lab No.
[illegible]	11/11/16	1515	P	GW		X		X							
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
Trip Blank			O	O		X									

Shipping Details: courier pick up 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Additional Comments:
* – Dissolved Metals include Fe, Mn (6010), As (6020)

Item No	Relinquished by/Affiliation	Date	Time		Date	Time
	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]			

email logins and results to:
[illegible]@komangs.com
[illegible]@komangs.com

Lab Comments
Seal #
Preserve Where Applicable ☐
On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A – Air; GW – Groundwater; SE – Sediment; SP – Soil; SW – Surface Water; O – Other
PRESERVATIVE CODES: H – HCL + Ice; I – Ice Only; N – Nitric Acid + Ice; S – Sulfuric Acid + Ice; M – Methanol; O – Other
COLLECTION METHOD CODES: C – Composite; G – Grab; P – Pumping; O – Other

[illegible]

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-132062-1

Login Number: 132062
List Number: 1
Creator: Ragnaldsen, Amy E

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-132062-1

Login Number: 132062
List Number: 2
Creator: True, Joshua A

List Source: TestAmerica Denver
List Creation: 11/14/16 11:07 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132062-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



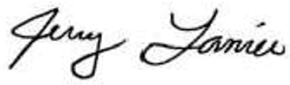
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-132143-1
Client Project/Site: Fort Devens / AOC 50

For:
KOMAN Government Solutions, LLC
160 East Main St
Suite 2F
Westborough, Massachusetts 01581

Attn: Laurie Ekes



Authorized for release by:
12/1/2016 12:22:10 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

LINKS

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

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

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

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Job ID: 680-132143-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: KOMAN Government Solutions, LLC

Project: Fort Devens / AOC 50

Report Number: 680-132143-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/16/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.4º C, 0.8º C and 2.3º C.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-7 (680-132143-1), G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), XSA-12-95X (680-132143-4), XSA-12-96X (680-132143-5), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), Trip Blank (680-132143-10), XSA-12-97X (680-132143-11), G6M-03-08X (680-132143-12), G6M-03-10X (680-132143-13) and G6M-97-05B (680-132143-14) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/25/2016 and 11/28/2016.

The continuing calibration verification (CCV) associated with batch 680-459061 recovered above the upper control limit for n-Butylbenzene, Hexachlorobutadiene and Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 680-459061/3).

The continuing calibration verification (CCV) associated with batch 680-459224 recovered above the upper control limit for Dichlorodifluoromethane, n-Butylbenzene and sec-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 680-459224/3).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-459061, and 680-459224..

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

DISSOLVED GASES

Samples G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), G6M-03-08X (680-132143-12) and G6M-03-10X (680-132143-13) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 11/23/2016.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-458908.

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

METALS (ICP)

Samples MW-7 (680-132143-1), G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), XSA-12-95X (680-132143-4), XSA-12-96X (680-132143-5), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), XSA-12-97X (680-132143-11), G6M-03-08X (680-132143-12), G6M-03-10X (680-132143-13) and G6M-97-05B (680-132143-14) were

Job ID: 680-132143-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/18/2016 and analyzed on 11/22/2016 and 11/23/2016.

Manganese failed the recovery criteria low for the MS of sample MW-7MS (680-132143-1) in batch 680-458985.

Iron and Manganese failed the recovery criteria low for the MSD of sample MW-7MSD (680-132143-1) in batch 680-458985.

Refer to the QC report for details.

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

METALS (ICP-MS)

Samples MW-7 (680-132143-1), G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), XSA-12-95X (680-132143-4), XSA-12-96X (680-132143-5), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), XSA-12-97X (680-132143-11), G6M-03-08X (680-132143-12), G6M-03-10X (680-132143-13) and G6M-97-05B (680-132143-14) were analyzed for Metals (ICP-MS) in accordance with EPA SW-846 Method 6020A. The samples were prepared and analyzed on 11/18/2016.

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

ALKALINITY

Samples G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), G6M-03-08X (680-132143-12) and G6M-03-10X (680-132143-13) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 11/20/2016 and 11/21/2016.

The method blank associated with analytical batch 280-352584 contained Alkalinity greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples contained greater than 10x the MB. The sample results have been qualified and reported. Batch 352584

The instrument blank for analytical batch 280-352584 contained Alkalinity greater than one-half the reporting limit (RL), and were not re-analyzed because all samples were either ND or greater than 10x the CCB. The data have been qualified and reported. Batch 352584

The sample duplicate (DUP) precision for analytical batch 280-352584 was outside control limits. Sample non-homogeneity is suspected. Alkalinity Batch 352584

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

NITRATE-NITRITE AS NITROGEN

Samples G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), G6M-03-08X (680-132143-12) and G6M-03-10X (680-132143-13) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 11/18/2016.

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

SULFIDE

Samples G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), G6M-03-08X (680-132143-12) and G6M-03-10X (680-132143-13) were analyzed for sulfide in accordance with EPA SW846 Method 9034. The samples were analyzed on 11/17/2016.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), G6M-03-08X (680-132143-12) and G6M-03-10X (680-132143-13) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with SW 846 9056A. The samples were analyzed on 11/28/2016.

Job ID: 680-132143-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

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

TOTAL ORGANIC CARBON

Samples G6M-02-11X (680-132143-2), G6M-02-12X (680-132143-3), G6M-04-05X (680-132143-6), G6M-03-09X (680-132143-7), G6M-04-07X (680-132143-8), G6M-04-06X (680-132143-9), G6M-03-08X (680-132143-12) and G6M-03-10X (680-132143-13) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 11/29/2016.

The instrument blank for analytical batch 280-353578 contained TOC greater than one-half the reporting limit (RL), and were not re-analyzed because it was less than the RL. The data have been qualified and reported.

The instrument blank for analytical batch 280-353579 contained DOC greater than one-half the reporting limit (RL), and were not re-analyzed because the result was less than the RL.. The data have been qualified and reported.

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

Sample Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-132143-1	MW-7	Water	11/14/16 09:20	11/16/16 09:20
680-132143-2	G6M-02-11X	Water	11/14/16 10:45	11/16/16 09:20
680-132143-3	G6M-02-12X	Water	11/14/16 12:35	11/16/16 09:20
680-132143-4	XSA-12-95X	Water	11/14/16 14:35	11/16/16 09:20
680-132143-5	XSA-12-96X	Water	11/14/16 15:30	11/16/16 09:20
680-132143-6	G6M-04-05X	Water	11/14/16 10:45	11/16/16 09:20
680-132143-7	G6M-03-09X	Water	11/14/16 12:20	11/16/16 09:20
680-132143-8	G6M-04-07X	Water	11/14/16 15:50	11/16/16 09:20
680-132143-9	G6M-04-06X	Water	11/14/16 16:45	11/16/16 09:20
680-132143-10	Trip Blank	Water	11/14/16 00:00	11/16/16 09:20
680-132143-11	XSA-12-97X	Water	11/14/16 16:05	11/16/16 09:20
680-132143-12	G6M-03-08X	Water	11/14/16 09:25	11/16/16 09:20
680-132143-13	G6M-03-10X	Water	11/14/16 08:20	11/16/16 09:20
680-132143-14	G6M-97-05B	Water	11/15/16 10:20	11/16/16 09:20

Method Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9056A	Anions, Ion Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL DEN
SM 2320B	Alkalinity	SM	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
Q	One or more quality control criteria failed.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

GC VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
M	Manual integrated compound.

HPLC/IC

Qualifier	Qualifier Description
M	Manual integrated compound.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

General Chemistry

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
U	Undetected at the Limit of Detection.

Glossary

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

Detection Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: MW-7 — Lab Sample ID: 680-132143-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	22		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	22		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	37		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	19000	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	13000	J	10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	110		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

Client Sample ID: G6M-02-11X — Lab Sample ID: 680-132143-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethane	5.6		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Methane (TCD)	11000		390	77	39	ug/L	1		RSK-175	Total/NA
Iron	32000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	7600		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	530		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	4.1		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	220		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-02-12X — Lab Sample ID: 680-132143-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethane	3.2		1.1	1.1	0.55	ug/L	1		RSK-175	Total/NA
Methane (TCD)	9400		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	2.0	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	40000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	7700		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	720		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	4.5		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	210		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: XSA-12-95X — Lab Sample ID: 680-132143-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	5.5		5.0	5.0	2.5	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	78		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	83		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	23		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.3		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	9.8		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	7.4		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Iron	1900		50	50	17	ug/L	1		6010C	Dissolved
Manganese	8400		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: XSA-12-96X — Lab Sample ID: 680-132143-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	4.2	J	5.0	5.0	2.5	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	20		1.0	1.0	0.41	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: XSA-12-96X (Continued) — Lab Sample ID: 680-132143-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.59	J	1.0	1.0	0.36	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	25		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Ethylbenzene	0.37	J	1.0	0.50	0.33	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	1.6		1.0	1.0	0.35	ug/L	1		8260B	Total/NA
o-Xylene	0.67	J	1.0	0.50	0.23	ug/L	1		8260B	Total/NA
Tetrachloroethene	29		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Toluene	1.1		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.9		1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	19		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.68	J	1.0	1.0	0.47	ug/L	1		8260B	Total/NA
Vinyl chloride	11		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	2.3		2.0	0.50	0.23	ug/L	1		8260B	Total/NA
Iron	1200		50	50	17	ug/L	1		6010C	Dissolved
Manganese	6300		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-04-05X — Lab Sample ID: 680-132143-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.88	J	1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Methane	15		0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	24	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Manganese	20		10	3.0	1.0	ug/L	1		6010C	Dissolved
Nitrate/Nitrite-N	0.19		0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Total Organic Carbon - Duplicates	0.75	J	1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	36		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-03-09X — Lab Sample ID: 680-132143-7

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	8.4	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Manganese	90		10	3.0	1.0	ug/L	1		6010C	Dissolved
Nitrate/Nitrite-N	1.5		0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Total Organic Carbon - Duplicates	0.78	J	1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	31		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-04-07X — Lab Sample ID: 680-132143-8

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	73		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	73		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	78		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.42	J	1.0	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	18		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Vinyl chloride	1.8		1.0	1.0	0.50	ug/L	1		8260B	Total/NA
Methane (TCD)	1000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	9.4	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	1900		50	50	17	ug/L	1		6010C	Dissolved
Manganese	4400		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	29		3.0	3.0	1.5	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-04-07X (Continued) — Lab Sample ID: 680-132143-8

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	1.2		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	160		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-04-06X — Lab Sample ID: 680-132143-9

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.5		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Methane	0.82	M	0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	15	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	17	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	77		10	3.0	1.0	ug/L	1		6010C	Dissolved
Sulfide	2.0		1.0	1.0	1.0	mg/L	1		9034	Total/NA
Total Organic Carbon - Duplicates	1.0		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	62		5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 680-132143-10

No Detections.

Client Sample ID: XSA-12-97X — Lab Sample ID: 680-132143-11

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	10		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Iron	770		50	50	17	ug/L	1		6010C	Dissolved
Manganese	12		10	3.0	1.0	ug/L	1		6010C	Dissolved

Client Sample ID: G6M-03-08X — Lab Sample ID: 680-132143-12

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.84	J	1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.84	J	2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	0.96	J	1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Methane	170		0.58	0.58	0.29	ug/L	1		RSK-175	Total/NA
Sulfate	9.8	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	180		50	50	17	ug/L	1		6010C	Dissolved
Manganese	4200		10	3.0	1.0	ug/L	1		6010C	Dissolved
Arsenic	12		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Nitrate/Nitrite-N	0.053	J	0.10	0.050	0.019	mg/L	1		353.2	Total/NA
Total Organic Carbon - Duplicates	1.3		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	140	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-03-10X — Lab Sample ID: 680-132143-13

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	8000		390	77	39	ug/L	1		RSK-175	Total/NA
Sulfate	3.7	M	1.0	1.0	0.40	mg/L	1		9056A	Total/NA
Iron	68000		50	50	17	ug/L	1		6010C	Dissolved
Manganese	2700		10	3.0	1.0	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: G6M-03-10X (Continued) — Lab Sample ID: 680-132143-13

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	430		3.0	3.0	1.5	ug/L	1		6020A	Dissolved
Total Organic Carbon - Duplicates	1.6		1.0	0.50	0.16	mg/L	1		9060A	Total/NA
Alkalinity	110	B	5.0	3.2	1.1	mg/L	1		SM 2320B	Total/NA

Client Sample ID: G6M-97-05B — Lab Sample ID: 680-132143-14

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.91	J	1.0	0.50	0.33	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	4.2		1.0	1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	4.2		2.0	1.0	0.74	ug/L	1		8260B	Total/NA
Tetrachloroethene	140		1.0	1.0	0.74	ug/L	1		8260B	Total/NA
Trichloroethene	13		1.0	1.0	0.48	ug/L	1		8260B	Total/NA
Iron	21	J	50	50	17	ug/L	1		6010C	Dissolved
Manganese	2.4	J	10	3.0	1.0	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: MW-7
Date Collected: 11/14/16 09:20
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 13:06	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:06	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:06	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:06	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 13:06	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 13:06	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:06	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 13:06	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:06	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 13:06	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:06	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 13:06	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 13:06	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:06	1
cis-1,2-Dichloroethene	**22**		1.0	1.0	0.41	ug/L		11/25/16 13:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 13:06	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 13:06	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:06	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:06	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:06	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 13:06	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 13:06	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 13:06	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 13:06	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:06	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 13:06	1
1,2-Dichloroethene, Total	**22**		2.0	1.0	0.74	ug/L		11/25/16 13:06	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 13:06	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 13:06	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:06	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 13:06	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:06	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 13:06	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 13:06	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:06	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:06	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 13:06	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 13:06	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:06	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 13:06	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 13:06	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 13:06	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:06	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 13:06	1

Client Sample ID: MW-7

Lab Sample ID: 680-132143-1

Date Collected: 11/14/16 09:20

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 13:06	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 13:06	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:06	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:06	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:06	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:06	1
Trichloroethene	**1.4**		1.0	1.0	0.48	ug/L		11/25/16 13:06	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:06	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 13:06	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 13:06	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 13:06	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 13:06	1
Vinyl chloride	**37**		1.0	1.0	0.50	ug/L		11/25/16 13:06	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*85 - 114*		*11/25/16 13:06*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*11/25/16 13:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*81 - 118*		*11/25/16 13:06*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 13:06*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**19000**	**J**	50	50	17	ug/L		11/22/16 22:42	1
Manganese	**13000**	**J**	10	3.0	1.0	ug/L		11/22/16 22:42	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**110**		3.0	3.0	1.5	ug/L		11/18/16 20:22	1

Client Sample ID: G6M-02-11X

Lab Sample ID: 680-132143-2

Date Collected: 11/14/16 10:45

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 13:30	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:30	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:30	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:30	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:30	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 13:30	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 13:30	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:30	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 13:30	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-02-11X
Date Collected: 11/14/16 10:45
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:30	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 13:30	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:30	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:30	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 13:30	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 13:30	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 13:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 13:30	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 13:30	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:30	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:30	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:30	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 13:30	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 13:30	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 13:30	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 13:30	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:30	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 13:30	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 13:30	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 13:30	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 13:30	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:30	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 13:30	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:30	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 13:30	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 13:30	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 13:30	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:30	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:30	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 13:30	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 13:30	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:30	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:30	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 13:30	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 13:30	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 13:30	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:30	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 13:30	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:30	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 13:30	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 13:30	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:30	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:30	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:30	1

Client Sample ID: G6M-02-11X

Lab Sample ID: 680-132143-2

Date Collected: 11/14/16 10:45

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:30	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:30	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:30	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:30	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 13:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 13:30	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 13:30	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 13:30	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:30	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/25/16 13:30*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*11/25/16 13:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 13:30*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 13:30*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**5.6**		1.1	1.1	0.55	ug/L		11/23/16 11:38	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:38	1
Methane (TCD)	**11000**		390	77	39	ug/L		11/23/16 11:38	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/28/16 20:04	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**32000**		50	50	17	ug/L		11/22/16 23:04	1
Manganese	**7600**		10	3.0	1.0	ug/L		11/22/16 23:04	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**530**		3.0	3.0	1.5	ug/L		11/18/16 20:39	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/18/16 15:17	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**4.1**		1.0	0.50	0.16	mg/L		11/29/16 05:05	1
Alkalinity	**220**		5.0	3.2	1.1	mg/L		11/20/16 16:17	1

Client Sample ID: G6M-02-12X

Lab Sample ID: 680-132143-3

Date Collected: 11/14/16 12:35

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 13:53	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:53	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-02-12X
Date Collected: 11/14/16 12:35
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:53	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:53	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 13:53	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 13:53	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:53	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 13:53	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:53	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 13:53	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:53	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 13:53	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 13:53	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 13:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 13:53	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 13:53	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:53	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:53	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 13:53	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 13:53	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 13:53	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 13:53	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 13:53	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:53	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 13:53	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 13:53	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 13:53	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 13:53	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:53	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 13:53	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:53	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 13:53	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 13:53	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:53	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:53	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 13:53	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 13:53	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 13:53	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 13:53	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 13:53	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 13:53	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:53	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 13:53	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 13:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:53	1

Client Sample ID: G6M-02-12X
Date Collected: 11/14/16 12:35
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 13:53	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 13:53	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:53	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 13:53	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 13:53	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 13:53	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 13:53	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 13:53	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 13:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 13:53	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 13:53	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 13:53	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 13:53	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*11/25/16 13:53*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*11/25/16 13:53*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 13:53*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	**3.2**		1.1	1.1	0.55	ug/L		11/23/16 11:51	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 11:51	1
Methane (TCD)	**9400**		390	77	39	ug/L		11/23/16 11:51	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**2.0**	**M**	1.0	1.0	0.40	mg/L		11/28/16 20:38	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**40000**		50	50	17	ug/L		11/22/16 23:09	1
Manganese	**7700**		10	3.0	1.0	ug/L		11/22/16 23:09	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**720**		3.0	3.0	1.5	ug/L		11/18/16 20:43	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/18/16 15:19	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**4.5**		1.0	0.50	0.16	mg/L		11/29/16 05:20	1
Alkalinity	**210**		5.0	3.2	1.1	mg/L		11/20/16 16:21	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: XSA-12-95X
Date Collected: 11/14/16 14:35
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 14:17	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 14:17	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 14:17	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 14:17	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:17	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 14:17	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 14:17	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 14:17	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 14:17	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 14:17	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 14:17	1
Chloroethane	**5.5**		5.0	5.0	2.5	ug/L		11/25/16 14:17	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 14:17	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 14:17	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 14:17	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 14:17	1
cis-1,2-Dichloroethene	**78**		1.0	1.0	0.41	ug/L		11/25/16 14:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 14:17	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 14:17	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 14:17	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:17	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 14:17	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 14:17	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 14:17	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 14:17	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 14:17	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 14:17	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 14:17	1
1,2-Dichloroethene, Total	**83**		2.0	1.0	0.74	ug/L		11/25/16 14:17	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 14:17	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 14:17	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:17	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 14:17	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 14:17	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 14:17	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 14:17	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 14:17	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 14:17	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 14:17	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 14:17	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 14:17	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 14:17	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:17	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 14:17	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 14:17	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 14:17	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 14:17	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 14:17	1

Client Sample ID: XSA-12-95X

Lab Sample ID: 680-132143-4

Date Collected: 11/14/16 14:35

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 14:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 14:17	1
Tetrachloroethene	**23**		1.0	1.0	0.74	ug/L		11/25/16 14:17	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 14:17	1
trans-1,2-Dichloroethene	**4.3**		1.0	1.0	0.37	ug/L		11/25/16 14:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 14:17	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:17	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:17	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:17	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 14:17	1
Trichloroethene	**9.8**		1.0	1.0	0.48	ug/L		11/25/16 14:17	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 14:17	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 14:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 14:17	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 14:17	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 14:17	1
Vinyl chloride	**7.4**		1.0	1.0	0.50	ug/L		11/25/16 14:17	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/25/16 14:17*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 14:17*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*11/25/16 14:17*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**1900**		50	50	17	ug/L		11/22/16 23:13	1
Manganese	**8400**		10	3.0	1.0	ug/L		11/22/16 23:13	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 20:46	1

Client Sample ID: XSA-12-96X

Lab Sample ID: 680-132143-5

Date Collected: 11/14/16 15:30

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 14:40	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 14:40	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 14:40	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 14:40	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:40	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 14:40	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 14:40	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 14:40	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 14:40	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: XSA-12-96X
Date Collected: 11/14/16 15:30
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 14:40	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 14:40	1
Chloroethane	**4.2**	**J**	5.0	5.0	2.5	ug/L		11/25/16 14:40	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 14:40	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 14:40	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 14:40	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 14:40	1
cis-1,2-Dichloroethene	**20**		1.0	1.0	0.41	ug/L		11/25/16 14:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 14:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 14:40	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 14:40	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:40	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 14:40	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 14:40	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 14:40	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 14:40	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 14:40	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 14:40	1
1,1-Dichloroethene	**0.59**	**J**	1.0	1.0	0.36	ug/L		11/25/16 14:40	1
1,2-Dichloroethene, Total	**25**		2.0	1.0	0.74	ug/L		11/25/16 14:40	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 14:40	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 14:40	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:40	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 14:40	1
Ethylbenzene	**0.37**	**J**	1.0	0.50	0.33	ug/L		11/25/16 14:40	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 14:40	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 14:40	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 14:40	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 14:40	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 14:40	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 14:40	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 14:40	1
m-Xylene & p-Xylene	**1.6**		1.0	1.0	0.35	ug/L		11/25/16 14:40	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:40	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 14:40	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 14:40	1
o-Xylene	**0.67**	**J**	1.0	0.50	0.23	ug/L		11/25/16 14:40	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 14:40	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 14:40	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 14:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 14:40	1
Tetrachloroethene	**29**		1.0	1.0	0.74	ug/L		11/25/16 14:40	1
Toluene	**1.1**		1.0	1.0	0.48	ug/L		11/25/16 14:40	1
trans-1,2-Dichloroethene	**4.9**		1.0	1.0	0.37	ug/L		11/25/16 14:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 14:40	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:40	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 14:40	1

Client Sample ID: XSA-12-96X

Lab Sample ID: 680-132143-5

Date Collected: 11/14/16 15:30

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 14:40	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 14:40	1
Trichloroethene	**19**		1.0	1.0	0.48	ug/L		11/25/16 14:40	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 14:40	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 14:40	1
1,2,4-Trimethylbenzene	**0.68**	**J**	1.0	1.0	0.47	ug/L		11/25/16 14:40	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 14:40	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 14:40	1
Vinyl chloride	**11**		1.0	1.0	0.50	ug/L		11/25/16 14:40	1
Xylenes, Total	**2.3**		2.0	0.50	0.23	ug/L		11/25/16 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*11/25/16 14:40*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 14:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 14:40*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*11/25/16 14:40*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**1200**		50	50	17	ug/L		11/22/16 23:18	1
Manganese	**6300**		10	3.0	1.0	ug/L		11/22/16 23:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 20:57	1

Client Sample ID: G6M-04-05X

Lab Sample ID: 680-132143-6

Date Collected: 11/14/16 10:45

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 15:04	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:04	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:04	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:04	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 15:04	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 15:04	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:04	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 15:04	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:04	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 15:04	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
Chloroform	**0.88**	**J**	1.0	1.0	0.50	ug/L		11/25/16 15:04	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 15:04	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 15:04	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 15:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 15:04	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-04-05X
Date Collected: 11/14/16 10:45
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 15:04	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:04	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:04	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:04	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 15:04	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 15:04	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 15:04	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 15:04	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:04	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 15:04	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 15:04	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 15:04	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 15:04	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:04	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 15:04	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:04	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 15:04	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 15:04	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:04	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:04	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 15:04	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 15:04	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:04	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 15:04	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 15:04	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 15:04	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:04	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 15:04	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 15:04	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 15:04	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:04	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:04	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:04	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:04	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:04	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:04	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 15:04	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 15:04	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 15:04	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 15:04	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:04	1

Client Sample ID: G6M-04-05X

Lab Sample ID: 680-132143-6

Date Collected: 11/14/16 10:45

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*11/25/16 15:04*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 15:04*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 15:04*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 13:02	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:02	1
Methane	**15**		0.58	0.58	0.29	ug/L		11/23/16 13:02	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**24**	**M**	1.0	1.0	0.40	mg/L		11/28/16 20:56	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/22/16 23:32	1
Manganese	**20**		10	3.0	1.0	ug/L		11/22/16 23:32	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 21:00	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	**0.19**		0.10	0.050	0.019	mg/L		11/18/16 15:21	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**0.75**	**J**	1.0	0.50	0.16	mg/L		11/29/16 05:39	1
Alkalinity	**36**		5.0	3.2	1.1	mg/L		11/20/16 16:25	1

Client Sample ID: G6M-03-09X

Lab Sample ID: 680-132143-7

Date Collected: 11/14/16 12:20

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 15:27	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:27	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:27	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:27	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 15:27	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 15:27	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:27	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 15:27	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:27	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 15:27	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-03-09X
Date Collected: 11/14/16 12:20
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:27	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 15:27	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 15:27	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 15:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 15:27	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 15:27	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:27	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:27	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:27	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 15:27	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 15:27	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 15:27	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 15:27	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:27	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 15:27	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 15:27	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 15:27	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 15:27	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:27	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 15:27	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:27	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 15:27	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 15:27	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:27	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:27	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 15:27	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 15:27	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:27	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 15:27	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 15:27	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 15:27	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:27	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 15:27	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:27	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 15:27	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 15:27	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:27	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:27	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:27	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:27	1

Client Sample ID: G6M-03-09X

Lab Sample ID: 680-132143-7

Date Collected: 11/14/16 12:20

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:27	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:27	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 15:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 15:27	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 15:27	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 15:27	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:27	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*11/25/16 15:27*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*11/25/16 15:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 15:27*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 15:27*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 13:15	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:15	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		11/23/16 13:15	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**8.4**	**M**	1.0	1.0	0.40	mg/L		11/28/16 21:13	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/22/16 23:36	1
Manganese	**90**		10	3.0	1.0	ug/L		11/22/16 23:36	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 21:04	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	**1.5**		0.10	0.050	0.019	mg/L		11/18/16 15:23	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**0.78**	**J**	1.0	0.50	0.16	mg/L		11/29/16 05:56	1
Alkalinity	**31**		5.0	3.2	1.1	mg/L		11/20/16 16:29	1

Client Sample ID: G6M-04-07X

Lab Sample ID: 680-132143-8

Date Collected: 11/14/16 15:50

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 15:51	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:51	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:51	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:51	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-04-07X
Date Collected: 11/14/16 15:50
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 15:51	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 15:51	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:51	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 15:51	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:51	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 15:51	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:51	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 15:51	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 15:51	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:51	1
cis-1,2-Dichloroethene	**73**		1.0	1.0	0.41	ug/L		11/25/16 15:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 15:51	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 15:51	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:51	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:51	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 15:51	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 15:51	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 15:51	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 15:51	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 15:51	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 15:51	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 15:51	1
1,2-Dichloroethene, Total	**73**		2.0	1.0	0.74	ug/L		11/25/16 15:51	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 15:51	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 15:51	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:51	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 15:51	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:51	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 15:51	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 15:51	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:51	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:51	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 15:51	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 15:51	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 15:51	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 15:51	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 15:51	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 15:51	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:51	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 15:51	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 15:51	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 15:51	1
Tetrachloroethene	**78**		1.0	1.0	0.74	ug/L		11/25/16 15:51	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-04-07X
Date Collected: 11/14/16 15:50
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 15:51	1
trans-1,2-Dichloroethene	**0.42**	**J**	1.0	1.0	0.37	ug/L		11/25/16 15:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:51	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 15:51	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 15:51	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 15:51	1
Trichloroethene	**18**		1.0	1.0	0.48	ug/L		11/25/16 15:51	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 15:51	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 15:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 15:51	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 15:51	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 15:51	1
Vinyl chloride	**1.8**		1.0	1.0	0.50	ug/L		11/25/16 15:51	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*85 - 114*		*11/25/16 15:51*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 119*		*11/25/16 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 15:51*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 15:51*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 13:28	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:28	1
Methane (TCD)	**1000**		390	77	39	ug/L		11/23/16 13:28	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**9.4**	**M**	1.0	1.0	0.40	mg/L		11/28/16 21:31	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**1900**		50	50	17	ug/L		11/22/16 23:41	1
Manganese	**4400**		10	3.0	1.0	ug/L		11/22/16 23:41	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**29**		3.0	3.0	1.5	ug/L		11/18/16 21:07	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/18/16 15:37	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**1.2**		1.0	0.50	0.16	mg/L		11/29/16 06:12	1
Alkalinity	**160**		5.0	3.2	1.1	mg/L		11/20/16 16:34	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-04-06X
Date Collected: 11/14/16 16:45
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 16:14	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 16:14	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:14	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 16:14	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 16:14	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 16:14	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 16:14	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 16:14	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 16:14	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 16:14	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:14	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 16:14	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 16:14	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 16:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 16:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 16:14	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 16:14	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 16:14	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:14	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 16:14	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 16:14	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 16:14	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 16:14	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 16:14	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:14	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 16:14	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 16:14	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 16:14	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 16:14	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:14	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 16:14	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 16:14	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 16:14	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 16:14	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 16:14	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 16:14	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 16:14	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 16:14	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 16:14	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 16:14	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 16:14	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 16:14	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 16:14	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 16:14	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-04-06X
Date Collected: 11/14/16 16:45
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 16:14	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 16:14	1
Tetrachloroethene	**1.5**		1.0	1.0	0.74	ug/L		11/25/16 16:14	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 16:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 16:14	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:14	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:14	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 16:14	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 16:14	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 16:14	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 16:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 16:14	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 16:14	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 16:14	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:14	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*11/25/16 16:14*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/25/16 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*11/25/16 16:14*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 16:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 13:41	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:41	1
Methane	**0.82**	**M**	0.58	0.58	0.29	ug/L		11/23/16 13:41	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**15**	**M**	1.0	1.0	0.40	mg/L		11/28/16 21:48	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**17**	**J**	50	50	17	ug/L		11/22/16 23:45	1
Manganese	**77**		10	3.0	1.0	ug/L		11/22/16 23:45	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 21:11	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/18/16 15:39	1
Sulfide	**2.0**		1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**1.0**		1.0	0.50	0.16	mg/L		11/29/16 07:38	1
Alkalinity	**62**		5.0	3.2	1.1	mg/L		11/20/16 16:38	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: Trip Blank
Date Collected: 11/14/16 00:00
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 10:22	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 10:22	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 10:22	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 10:22	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 10:22	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 10:22	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 10:22	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 10:22	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 10:22	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 10:22	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 10:22	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 10:22	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 10:22	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 10:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 10:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 10:22	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 10:22	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 10:22	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 10:22	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 10:22	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 10:22	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 10:22	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 10:22	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 10:22	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 10:22	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 10:22	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 10:22	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 10:22	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 10:22	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 10:22	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 10:22	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 10:22	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 10:22	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 10:22	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 10:22	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 10:22	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 10:22	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 10:22	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 10:22	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 10:22	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 10:22	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 10:22	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 10:22	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 10:22	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-132143-10

Date Collected: 11/14/16 00:00

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 10:22	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 10:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 10:22	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 10:22	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 10:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 10:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 10:22	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 10:22	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 10:22	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 10:22	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 10:22	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 10:22	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 10:22	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 10:22	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 10:22	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 10:22	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 10:22	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/25/16 10:22*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 119*		*11/25/16 10:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/25/16 10:22*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 10:22*	*1*

Client Sample ID: XSA-12-97X

Lab Sample ID: 680-132143-11

Date Collected: 11/14/16 16:05

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 16:38	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 16:38	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:38	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 16:38	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 16:38	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 16:38	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 16:38	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 16:38	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 16:38	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 16:38	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:38	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 16:38	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 16:38	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 16:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 16:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 16:38	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: XSA-12-97X
Date Collected: 11/14/16 16:05
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 16:38	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 16:38	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:38	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 16:38	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 16:38	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 16:38	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 16:38	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 16:38	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:38	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 16:38	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 16:38	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 16:38	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 16:38	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:38	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 16:38	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 16:38	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 16:38	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 16:38	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 16:38	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 16:38	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 16:38	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 16:38	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 16:38	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 16:38	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 16:38	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 16:38	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 16:38	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 16:38	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 16:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 16:38	1
Tetrachloroethene	**10**		1.0	1.0	0.74	ug/L		11/25/16 16:38	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 16:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 16:38	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 16:38	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 16:38	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 16:38	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 16:38	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 16:38	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 16:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 16:38	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 16:38	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 16:38	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 16:38	1

Client Sample ID: XSA-12-97X

Lab Sample ID: 680-132143-11

Date Collected: 11/14/16 16:05

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*85 - 114*		*11/25/16 16:38*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 16:38*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 16:38*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**770**		50	50	17	ug/L		11/22/16 23:50	1
Manganese	**12**		10	3.0	1.0	ug/L		11/22/16 23:50	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 21:14	1

Client Sample ID: G6M-03-08X

Lab Sample ID: 680-132143-12

Date Collected: 11/14/16 09:25

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 17:01	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 17:01	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:01	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 17:01	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 17:01	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 17:01	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 17:01	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 17:01	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 17:01	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 17:01	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:01	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 17:01	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 17:01	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 17:01	1
cis-1,2-Dichloroethene	**0.84**	**J**	1.0	1.0	0.41	ug/L		11/25/16 17:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 17:01	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 17:01	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 17:01	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:01	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 17:01	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 17:01	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 17:01	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 17:01	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 17:01	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:01	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-03-08X
Date Collected: 11/14/16 09:25
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 17:01	1
1,2-Dichloroethene, Total	**0.84**	**J**	2.0	1.0	0.74	ug/L		11/25/16 17:01	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 17:01	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 17:01	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:01	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 17:01	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 17:01	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 17:01	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 17:01	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 17:01	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 17:01	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 17:01	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 17:01	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 17:01	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 17:01	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 17:01	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 17:01	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 17:01	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 17:01	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 17:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 17:01	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 17:01	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 17:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 17:01	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:01	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:01	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 17:01	1
Trichloroethene	**0.96**	**J**	1.0	1.0	0.48	ug/L		11/25/16 17:01	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 17:01	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 17:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 17:01	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 17:01	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 17:01	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:01	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/25/16 17:01*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 119*		*11/25/16 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*11/25/16 17:01*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 17:01*	*1*

Client Sample ID: G6M-03-08X

Lab Sample ID: 680-132143-12

Date Collected: 11/14/16 09:25

Matrix: Water

Date Received: 11/16/16 09:20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 13:54	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 13:54	1
Methane	**170**		0.58	0.58	0.29	ug/L		11/23/16 13:54	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**9.8**	**M**	1.0	1.0	0.40	mg/L		11/28/16 22:40	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**180**		50	50	17	ug/L		11/22/16 23:54	1
Manganese	**4200**		10	3.0	1.0	ug/L		11/22/16 23:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**12**		3.0	3.0	1.5	ug/L		11/18/16 21:18	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	**0.053**	**J**	0.10	0.050	0.019	mg/L		11/18/16 15:41	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**1.3**		1.0	0.50	0.16	mg/L		11/29/16 08:25	1
Alkalinity	**140**	**B**	5.0	3.2	1.1	mg/L		11/21/16 19:24	1

Client Sample ID: G6M-03-10X

Lab Sample ID: 680-132143-13

Date Collected: 11/14/16 08:20

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 17:25	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 17:25	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:25	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 17:25	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 17:25	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 17:25	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 17:25	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 17:25	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 17:25	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 17:25	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:25	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 17:25	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 17:25	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 17:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 17:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 17:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 17:25	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 17:25	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:25	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-03-10X
Date Collected: 11/14/16 08:20
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 17:25	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 17:25	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 17:25	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 17:25	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 17:25	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:25	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 17:25	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 17:25	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 17:25	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 17:25	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:25	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 17:25	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 17:25	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 17:25	1
Hexachlorobutadiene	5.0	U Q	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 17:25	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 17:25	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 17:25	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 17:25	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 17:25	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 17:25	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/25/16 17:25	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 17:25	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 17:25	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 17:25	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 17:25	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 17:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 17:25	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 17:25	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 17:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 17:25	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 17:25	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 17:25	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 17:25	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 17:25	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 17:25	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 17:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 17:25	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 17:25	1
Vinyl acetate	2.0	U Q	2.0	2.0	0.81	ug/L		11/25/16 17:25	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 17:25	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*11/25/16 17:25*	*1*

Client Sample ID: G6M-03-10X

Lab Sample ID: 680-132143-13

Date Collected: 11/14/16 08:20

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*95*		*80 - 119*		*11/25/16 17:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 17:25*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/25/16 17:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 14:07	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 14:07	1
Methane (TCD)	**8000**		390	77	39	ug/L		11/23/16 14:07	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	**3.7**	**M**	1.0	1.0	0.40	mg/L		11/28/16 22:58	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**68000**		50	50	17	ug/L		11/22/16 23:59	1
Manganese	**2700**		10	3.0	1.0	ug/L		11/22/16 23:59	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**430**		3.0	3.0	1.5	ug/L		11/18/16 21:22	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/18/16 15:43	1
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1
Total Organic Carbon - Duplicates	**1.6**		1.0	0.50	0.16	mg/L		11/29/16 09:12	1
Alkalinity	**110**	**B**	5.0	3.2	1.1	mg/L		11/21/16 19:29	1

Client Sample ID: G6M-97-05B

Lab Sample ID: 680-132143-14

Date Collected: 11/15/16 10:20

Matrix: Water

Date Received: 11/16/16 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/28/16 10:17	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/28/16 10:17	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 10:17	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/28/16 10:17	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/28/16 10:17	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/28/16 10:17	1
Carbon tetrachloride	**0.91**	**J**	1.0	0.50	0.33	ug/L		11/28/16 10:17	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/28/16 10:17	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/28/16 10:17	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/28/16 10:17	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 10:17	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/28/16 10:17	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-97-05B
Date Collected: 11/15/16 10:20
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/28/16 10:17	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/28/16 10:17	1
cis-1,2-Dichloroethene	**4.2**		1.0	1.0	0.41	ug/L		11/28/16 10:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/28/16 10:17	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/28/16 10:17	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/28/16 10:17	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 10:17	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/28/16 10:17	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/28/16 10:17	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/28/16 10:17	1
Dichlorodifluoromethane	1.0	U Q	1.0	1.0	0.60	ug/L		11/28/16 10:17	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/28/16 10:17	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 10:17	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/28/16 10:17	1
1,2-Dichloroethene, Total	**4.2**		2.0	1.0	0.74	ug/L		11/28/16 10:17	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/28/16 10:17	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/28/16 10:17	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 10:17	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/28/16 10:17	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/28/16 10:17	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/28/16 10:17	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/28/16 10:17	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/28/16 10:17	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/28/16 10:17	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/28/16 10:17	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/28/16 10:17	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/28/16 10:17	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
n-Butylbenzene	1.0	U Q	1.0	1.0	0.47	ug/L		11/28/16 10:17	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/28/16 10:17	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/28/16 10:17	1
sec-Butylbenzene	1.0	U Q	1.0	1.0	0.42	ug/L		11/28/16 10:17	1
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/28/16 10:17	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/28/16 10:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 10:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/28/16 10:17	1
Tetrachloroethene	**140**		1.0	1.0	0.74	ug/L		11/28/16 10:17	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/28/16 10:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 10:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/28/16 10:17	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 10:17	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 10:17	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/28/16 10:17	1
Trichloroethene	**13**		1.0	1.0	0.48	ug/L		11/28/16 10:17	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/28/16 10:17	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/28/16 10:17	1

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Client Sample ID: G6M-97-05B
Date Collected: 11/15/16 10:20
Date Received: 11/16/16 09:20

Lab Sample ID: 680-132143-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/28/16 10:17	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/28/16 10:17	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/28/16 10:17	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 10:17	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/28/16 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/28/16 10:17*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*11/28/16 10:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/28/16 10:17*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*11/28/16 10:17*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	**21**	**J**	50	50	17	ug/L		11/23/16 00:04	1
Manganese	**2.4**	**J**	10	3.0	1.0	ug/L		11/23/16 00:04	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 21:25	1

Surrogate Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(85-114)	(80-119)	(81-118)	(89-112)
680-132143-1	MW-7	100	95	96	99
680-132143-2	G6M-02-11X	97	93	98	99
680-132143-3	G6M-02-12X	99	94	99	99
680-132143-4	XSA-12-95X	98	94	98	100
680-132143-5	XSA-12-96X	99	94	98	100
680-132143-6	G6M-04-05X	99	94	98	98
680-132143-7	G6M-03-09X	99	95	100	99
680-132143-8	G6M-04-07X	100	93	98	98
680-132143-9	G6M-04-06X	99	96	102	99
680-132143-10	Trip Blank	97	97	101	99
680-132143-11	XSA-12-97X	100	94	100	98
680-132143-12	G6M-03-08X	98	94	98	98
680-132143-13	G6M-03-10X	98	95	100	99
680-132143-14	G6M-97-05B	97	92	100	100
LCS 680-459061/4	Lab Control Sample	94	95	100	99
LCS 680-459224/4	Lab Control Sample	89	99	107	101
LCSD 680-459061/5	Lab Control Sample Dup	92	99	103	101
LCSD 680-459224/5	Lab Control Sample Dup	92	99	104	101
MB 680-459061/9	Method Blank	97	96	100	98
MB 680-459224/9	Method Blank	95	96	101	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-459061/9
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/25/16 09:35	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 09:35	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 09:35	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/25/16 09:35	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/25/16 09:35	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 09:35	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/25/16 09:35	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 09:35	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/25/16 09:35	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 09:35	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 09:35	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 09:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/25/16 09:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/25/16 09:35	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/25/16 09:35	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 09:35	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/25/16 09:35	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/25/16 09:35	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 09:35	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/25/16 09:35	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 09:35	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/25/16 09:35	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/25/16 09:35	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/25/16 09:35	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 09:35	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/25/16 09:35	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 09:35	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/25/16 09:35	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/25/16 09:35	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 09:35	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 09:35	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/25/16 09:35	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/25/16 09:35	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/25/16 09:35	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 09:35	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/25/16 09:35	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/25/16 09:35	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 09:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-459061/9
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/25/16 09:35	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/25/16 09:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/25/16 09:35	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/25/16 09:35	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 09:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 09:35	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/25/16 09:35	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/25/16 09:35	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/25/16 09:35	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/25/16 09:35	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/25/16 09:35	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/25/16 09:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/25/16 09:35	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/25/16 09:35	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/25/16 09:35	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/25/16 09:35	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/25/16 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*		*11/25/16 09:35*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/25/16 09:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*11/25/16 09:35*	*1*
Toluene-d8 (Surr)	*98*		*89 - 112*		*11/25/16 09:35*	*1*

Lab Sample ID: LCS 680-459061/4
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	247		ug/L		99	39 - 160
Benzene	50.0	51.6		ug/L		103	79 - 120
Bromobenzene	50.0	47.9		ug/L		96	80 - 120
Bromoform	50.0	48.1		ug/L		96	66 - 130
Bromomethane	50.0	37.7		ug/L		75	53 - 141
2-Butanone (MEK)	250	250		ug/L		100	56 - 143
Carbon disulfide	50.0	53.7		ug/L		107	64 - 133
Carbon tetrachloride	50.0	52.6		ug/L		105	72 - 136
Chlorobenzene	50.0	48.5		ug/L		97	82 - 118
Chlorobromomethane	50.0	47.3		ug/L		95	78 - 123
Chlorodibromomethane	50.0	50.7		ug/L		101	74 - 126
Chloroethane	50.0	55.9		ug/L		112	60 - 138
Chloroform	50.0	51.0		ug/L		102	79 - 124
Chloromethane	50.0	49.5		ug/L		99	50 - 139
2-Chlorotoluene	50.0	53.0		ug/L		106	79 - 122
4-Chlorotoluene	50.0	51.8		ug/L		104	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-459061/4
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	51.4		ug/L		103	78 - 123
cis-1,3-Dichloropropene	50.0	50.7		ug/L		101	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	46.3		ug/L		93	62 - 128
Dibromomethane	50.0	48.9		ug/L		98	79 - 123
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 119
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 119
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	79 - 118
Dichlorobromomethane	50.0	50.2		ug/L		100	79 - 125
Dichlorodifluoromethane	50.0	58.2		ug/L		116	32 - 152
1,1-Dichloroethane	50.0	51.4		ug/L		103	77 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	73 - 128
1,1-Dichloroethene	50.0	52.1		ug/L		104	71 - 131
1,2-Dichloroethene, Total	100	104		ug/L		104	79 - 121
1,2-Dichloropropane	50.0	50.2		ug/L		100	78 - 122
1,3-Dichloropropane	50.0	49.1		ug/L		98	80 - 119
2,2-Dichloropropane	50.0	56.4		ug/L		113	60 - 139
1,1-Dichloropropene	50.0	52.9		ug/L		106	79 - 125
Ethylbenzene	50.0	51.3		ug/L		103	79 - 121
Ethylene Dibromide	50.0	49.5		ug/L		99	75 - 127
Hexachlorobutadiene	50.0	65.9		ug/L		132	66 - 134
2-Hexanone	250	273		ug/L		109	57 - 139
Isopropylbenzene	50.0	52.4		ug/L		105	72 - 131
4-Isopropyltoluene	50.0	58.2		ug/L		116	77 - 127
Methylene Chloride	50.0	50.9		ug/L		102	74 - 124
4-Methyl-2-pentanone (MIBK)	250	277		ug/L		111	67 - 130
Methyl tert-butyl ether	50.0	50.0		ug/L		100	71 - 124
m-Xylene & p-Xylene	50.0	51.7		ug/L		103	80 - 121
Naphthalene	50.0	58.1		ug/L		116	61 - 128
n-Butylbenzene	50.0	63.7		ug/L		127	75 - 128
N-Propylbenzene	50.0	55.3		ug/L		111	76 - 126
o-Xylene	50.0	50.9		ug/L		102	78 - 122
sec-Butylbenzene	50.0	59.6		ug/L		119	77 - 126
Styrene	50.0	50.3		ug/L		101	78 - 123
tert-Butylbenzene	50.0	56.1		ug/L		112	78 - 124
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	78 - 124
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L		101	71 - 121
Tetrachloroethene	50.0	52.4		ug/L		105	74 - 129
Toluene	50.0	52.1		ug/L		104	80 - 121
trans-1,2-Dichloroethene	50.0	52.5		ug/L		105	75 - 124
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	73 - 127
1,2,3-Trichlorobenzene	50.0	57.1		ug/L		114	69 - 129
1,2,4-Trichlorobenzene	50.0	59.1		ug/L		118	69 - 130
1,1,1-Trichloroethane	50.0	53.0		ug/L		106	74 - 131
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	80 - 119
Trichloroethene	50.0	49.3		ug/L		99	79 - 123
Trichlorofluoromethane	50.0	53.0		ug/L		106	65 - 141
1,2,3-Trichloropropane	50.0	50.0		ug/L		100	73 - 122
1,2,4-Trimethylbenzene	50.0	53.6		ug/L		107	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-459061/4
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	54.3		ug/L		109	75 - 124
Vinyl acetate	100	122		ug/L		122	54 - 146
Vinyl chloride	50.0	51.4		ug/L		103	58 - 137
Xylenes, Total	100	103		ug/L		103	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*85 - 114*
Dibromofluoromethane (Surr)	*95*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*
Toluene-d8 (Surr)	*99*		*89 - 112*

Lab Sample ID: LCSD 680-459061/5
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	245		ug/L		98	39 - 160	1	20
Benzene	50.0	51.8		ug/L		104	79 - 120	0	20
Bromobenzene	50.0	48.6		ug/L		97	80 - 120	1	20
Bromoform	50.0	48.2		ug/L		96	66 - 130	0	20
Bromomethane	50.0	38.7		ug/L		77	53 - 141	3	20
2-Butanone (MEK)	250	259		ug/L		104	56 - 143	4	20
Carbon disulfide	50.0	54.5		ug/L		109	64 - 133	2	20
Carbon tetrachloride	50.0	53.5		ug/L		107	72 - 136	2	20
Chlorobenzene	50.0	49.5		ug/L		99	82 - 118	2	20
Chlorobromomethane	50.0	46.2		ug/L		92	78 - 123	2	20
Chlorodibromomethane	50.0	50.3		ug/L		101	74 - 126	1	20
Chloroethane	50.0	56.3		ug/L		113	60 - 138	1	20
Chloroform	50.0	51.0		ug/L		102	79 - 124	0	20
Chloromethane	50.0	48.7		ug/L		97	50 - 139	2	20
2-Chlorotoluene	50.0	53.4		ug/L		107	79 - 122	1	20
4-Chlorotoluene	50.0	52.3		ug/L		105	78 - 122	1	20
cis-1,2-Dichloroethene	50.0	52.5		ug/L		105	78 - 123	2	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	75 - 124	1	20
1,2-Dibromo-3-Chloropropane	50.0	46.4		ug/L		93	62 - 128	0	20
Dibromomethane	50.0	49.1		ug/L		98	79 - 123	0	20
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 119	0	20
1,3-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 119	0	20
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	79 - 118	0	20
Dichlorobromomethane	50.0	50.8		ug/L		102	79 - 125	1	20
Dichlorodifluoromethane	50.0	57.6		ug/L		115	32 - 152	1	20
1,1-Dichloroethane	50.0	52.3		ug/L		105	77 - 125	2	20
1,2-Dichloroethane	50.0	51.4		ug/L		103	73 - 128	1	20
1,1-Dichloroethene	50.0	51.3		ug/L		103	71 - 131	2	20
1,2-Dichloroethene, Total	100	106		ug/L		106	79 - 121	2	20
1,2-Dichloropropane	50.0	50.5		ug/L		101	78 - 122	1	20
1,3-Dichloropropane	50.0	50.2		ug/L		100	80 - 119	2	20
2,2-Dichloropropane	50.0	57.0		ug/L		114	60 - 139	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-459061/5
Matrix: Water
Analysis Batch: 459061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	53.8		ug/L		108	79 - 125	2	20
Ethylbenzene			50.0	51.8		ug/L		104	79 - 121	1	20
Ethylene Dibromide			50.0	50.1		ug/L		100	75 - 127	1	20
Hexachlorobutadiene			50.0	65.4		ug/L		131	66 - 134	1	20
2-Hexanone			250	271		ug/L		108	57 - 139	1	20
Isopropylbenzene			50.0	53.2		ug/L		106	72 - 131	1	20
4-Isopropyltoluene			50.0	57.1		ug/L		114	77 - 127	2	20
Methylene Chloride			50.0	50.7		ug/L		101	74 - 124	0	20
4-Methyl-2-pentanone (MIBK)			250	275		ug/L		110	67 - 130	1	20
Methyl tert-butyl ether			50.0	50.2		ug/L		100	71 - 124	0	20
m-Xylene & p-Xylene			50.0	52.7		ug/L		105	80 - 121	2	20
Naphthalene			50.0	56.6		ug/L		113	61 - 128	3	20
n-Butylbenzene			50.0	62.7		ug/L		125	75 - 128	2	20
N-Propylbenzene			50.0	55.4		ug/L		111	76 - 126	0	20
o-Xylene			50.0	51.7		ug/L		103	78 - 122	2	20
sec-Butylbenzene			50.0	59.9		ug/L		120	77 - 126	0	20
Styrene			50.0	50.8		ug/L		102	78 - 123	1	20
tert-Butylbenzene			50.0	55.9		ug/L		112	78 - 124	0	20
1,1,1,2-Tetrachloroethane			50.0	48.5		ug/L		97	78 - 124	0	20
1,1,2,2-Tetrachloroethane			50.0	50.9		ug/L		102	71 - 121	1	20
Tetrachloroethene			50.0	52.5		ug/L		105	74 - 129	0	20
Toluene			50.0	51.7		ug/L		103	80 - 121	1	20
trans-1,2-Dichloroethene			50.0	53.4		ug/L		107	75 - 124	2	20
trans-1,3-Dichloropropene			50.0	51.4		ug/L		103	73 - 127	1	20
1,2,3-Trichlorobenzene			50.0	58.0		ug/L		116	69 - 129	2	20
1,2,4-Trichlorobenzene			50.0	59.3		ug/L		119	69 - 130	0	20
1,1,1-Trichloroethane			50.0	53.1		ug/L		106	74 - 131	0	20
1,1,2-Trichloroethane			50.0	51.1		ug/L		102	80 - 119	0	20
Trichloroethene			50.0	51.2		ug/L		102	79 - 123	4	20
Trichlorofluoromethane			50.0	53.8		ug/L		108	65 - 141	1	20
1,2,3-Trichloropropane			50.0	50.1		ug/L		100	73 - 122	0	20
1,2,4-Trimethylbenzene			50.0	53.6		ug/L		107	76 - 124	0	20
1,3,5-Trimethylbenzene			50.0	54.5		ug/L		109	75 - 124	0	20
Vinyl acetate			100	122		ug/L		122	54 - 146	0	20
Vinyl chloride			50.0	49.9		ug/L		100	58 - 137	3	20
Xylenes, Total			100	104		ug/L		104	79 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-459224/9
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	10	U	10	10	7.0	ug/L		11/28/16 09:31	1
Benzene	1.0	U	1.0	1.0	0.43	ug/L		11/28/16 09:31	1
Bromobenzene	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 09:31	1
Bromoform	1.0	U	1.0	1.0	0.43	ug/L		11/28/16 09:31	1
Bromomethane	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
2-Butanone (MEK)	10	U	10	10	3.4	ug/L		11/28/16 09:31	1
Carbon disulfide	2.0	U	2.0	2.0	0.43	ug/L		11/28/16 09:31	1
Carbon tetrachloride	0.50	U	1.0	0.50	0.33	ug/L		11/28/16 09:31	1
Chlorobenzene	0.50	U	1.0	0.50	0.26	ug/L		11/28/16 09:31	1
Chlorobromomethane	1.0	U	1.0	1.0	0.45	ug/L		11/28/16 09:31	1
Chlorodibromomethane	0.50	U	1.0	0.50	0.32	ug/L		11/28/16 09:31	1
Chloroethane	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
Chloroform	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 09:31	1
Chloromethane	1.0	U	1.0	1.0	0.40	ug/L		11/28/16 09:31	1
2-Chlorotoluene	0.50	U	1.0	0.50	0.27	ug/L		11/28/16 09:31	1
4-Chlorotoluene	1.0	U	1.0	1.0	0.45	ug/L		11/28/16 09:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	0.41	ug/L		11/28/16 09:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	1.0	0.40	ug/L		11/28/16 09:31	1
1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0	1.1	ug/L		11/28/16 09:31	1
Dibromomethane	1.0	U	1.0	1.0	0.35	ug/L		11/28/16 09:31	1
1,2-Dichlorobenzene	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 09:31	1
1,3-Dichlorobenzene	1.0	U	1.0	1.0	0.43	ug/L		11/28/16 09:31	1
1,4-Dichlorobenzene	1.0	U	1.0	1.0	0.46	ug/L		11/28/16 09:31	1
Dichlorobromomethane	1.0	U	1.0	1.0	0.44	ug/L		11/28/16 09:31	1
Dichlorodifluoromethane	1.0	U	1.0	1.0	0.60	ug/L		11/28/16 09:31	1
1,1-Dichloroethane	1.0	U	1.0	1.0	0.38	ug/L		11/28/16 09:31	1
1,2-Dichloroethane	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 09:31	1
1,1-Dichloroethene	1.0	U	1.0	1.0	0.36	ug/L		11/28/16 09:31	1
1,2-Dichloroethene, Total	1.0	U	2.0	1.0	0.74	ug/L		11/28/16 09:31	1
1,2-Dichloropropane	1.0	U	1.0	1.0	0.67	ug/L		11/28/16 09:31	1
1,3-Dichloropropane	1.0	U	1.0	1.0	0.34	ug/L		11/28/16 09:31	1
2,2-Dichloropropane	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 09:31	1
1,1-Dichloropropene	1.0	U	1.0	1.0	0.34	ug/L		11/28/16 09:31	1
Ethylbenzene	0.50	U	1.0	0.50	0.33	ug/L		11/28/16 09:31	1
Ethylene Dibromide	1.0	U	1.0	1.0	0.44	ug/L		11/28/16 09:31	1
Hexachlorobutadiene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
2-Hexanone	5.0	U	10	5.0	2.0	ug/L		11/28/16 09:31	1
Isopropylbenzene	1.0	U	1.0	1.0	0.35	ug/L		11/28/16 09:31	1
4-Isopropyltoluene	1.0	U	1.0	1.0	0.48	ug/L		11/28/16 09:31	1
Methylene Chloride	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
4-Methyl-2-pentanone (MIBK)	5.0	U	10	5.0	2.1	ug/L		11/28/16 09:31	1
Methyl tert-butyl ether	0.50	U	10	0.50	0.30	ug/L		11/28/16 09:31	1
m-Xylene & p-Xylene	1.0	U	1.0	1.0	0.35	ug/L		11/28/16 09:31	1
Naphthalene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
n-Butylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/28/16 09:31	1
N-Propylbenzene	1.0	U	1.0	1.0	0.38	ug/L		11/28/16 09:31	1
o-Xylene	0.50	U	1.0	0.50	0.23	ug/L		11/28/16 09:31	1
sec-Butylbenzene	1.0	U	1.0	1.0	0.42	ug/L		11/28/16 09:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-459224/9
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Styrene	0.50	U	1.0	0.50	0.27	ug/L		11/28/16 09:31	1
tert-Butylbenzene	1.0	U	1.0	1.0	0.45	ug/L		11/28/16 09:31	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 09:31	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0	0.62	ug/L		11/28/16 09:31	1
Tetrachloroethene	1.0	U	1.0	1.0	0.74	ug/L		11/28/16 09:31	1
Toluene	1.0	U	1.0	1.0	0.48	ug/L		11/28/16 09:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 09:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	1.0	0.42	ug/L		11/28/16 09:31	1
1,2,3-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	2.5	ug/L		11/28/16 09:31	1
1,1,1-Trichloroethane	1.0	U	1.0	1.0	0.37	ug/L		11/28/16 09:31	1
1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.33	ug/L		11/28/16 09:31	1
Trichloroethene	1.0	U	1.0	1.0	0.48	ug/L		11/28/16 09:31	1
Trichlorofluoromethane	1.0	U	1.0	1.0	0.42	ug/L		11/28/16 09:31	1
1,2,3-Trichloropropane	1.0	U	1.0	1.0	0.39	ug/L		11/28/16 09:31	1
1,2,4-Trimethylbenzene	1.0	U	1.0	1.0	0.47	ug/L		11/28/16 09:31	1
1,3,5-Trimethylbenzene	0.50	U	1.0	0.50	0.31	ug/L		11/28/16 09:31	1
Vinyl acetate	2.0	U	2.0	2.0	0.81	ug/L		11/28/16 09:31	1
Vinyl chloride	1.0	U	1.0	1.0	0.50	ug/L		11/28/16 09:31	1
Xylenes, Total	0.50	U	2.0	0.50	0.23	ug/L		11/28/16 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*85 - 114*		*11/28/16 09:31*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 119*		*11/28/16 09:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*11/28/16 09:31*	*1*
Toluene-d8 (Surr)	*99*		*89 - 112*		*11/28/16 09:31*	*1*

Lab Sample ID: LCS 680-459224/4
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	254		ug/L		102	39 - 160
Benzene	50.0	52.4		ug/L		105	79 - 120
Bromobenzene	50.0	48.3		ug/L		97	80 - 120
Bromoform	50.0	47.8		ug/L		96	66 - 130
Bromomethane	50.0	40.2		ug/L		80	53 - 141
2-Butanone (MEK)	250	259		ug/L		104	56 - 143
Carbon disulfide	50.0	54.2		ug/L		108	64 - 133
Carbon tetrachloride	50.0	54.2		ug/L		108	72 - 136
Chlorobenzene	50.0	47.9		ug/L		96	82 - 118
Chlorobromomethane	50.0	49.7		ug/L		99	78 - 123
Chlorodibromomethane	50.0	52.3		ug/L		105	74 - 126
Chloroethane	50.0	55.2		ug/L		110	60 - 138
Chloroform	50.0	52.7		ug/L		105	79 - 124
Chloromethane	50.0	51.8		ug/L		104	50 - 139
2-Chlorotoluene	50.0	51.3		ug/L		103	79 - 122
4-Chlorotoluene	50.0	51.2		ug/L		102	78 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-459224/4
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	53.0		ug/L		106	78 - 123
cis-1,3-Dichloropropene	50.0	51.9		ug/L		104	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	45.3		ug/L		91	62 - 128
Dibromomethane	50.0	50.5		ug/L		101	79 - 123
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	80 - 119
1,3-Dichlorobenzene	50.0	48.3		ug/L		97	80 - 119
1,4-Dichlorobenzene	50.0	47.9		ug/L		96	79 - 118
Dichlorobromomethane	50.0	52.2		ug/L		104	79 - 125
Dichlorodifluoromethane	50.0	63.6		ug/L		127	32 - 152
1,1-Dichloroethane	50.0	52.3		ug/L		105	77 - 125
1,2-Dichloroethane	50.0	53.5		ug/L		107	73 - 128
1,1-Dichloroethene	50.0	51.3		ug/L		103	71 - 131
1,2-Dichloroethene, Total	100	106		ug/L		106	79 - 121
1,2-Dichloropropane	50.0	50.9		ug/L		102	78 - 122
1,3-Dichloropropane	50.0	51.2		ug/L		102	80 - 119
2,2-Dichloropropane	50.0	56.9		ug/L		114	60 - 139
1,1-Dichloropropene	50.0	52.2		ug/L		104	79 - 125
Ethylbenzene	50.0	49.8		ug/L		100	79 - 121
Ethylene Dibromide	50.0	51.6		ug/L		103	75 - 127
Hexachlorobutadiene	50.0	58.7		ug/L		117	66 - 134
2-Hexanone	250	275		ug/L		110	57 - 139
Isopropylbenzene	50.0	51.6		ug/L		103	72 - 131
4-Isopropyltoluene	50.0	54.9		ug/L		110	77 - 127
Methylene Chloride	50.0	52.5		ug/L		105	74 - 124
4-Methyl-2-pentanone (MIBK)	250	279		ug/L		111	67 - 130
Methyl tert-butyl ether	50.0	51.7		ug/L		103	71 - 124
m-Xylene & p-Xylene	50.0	50.8		ug/L		102	80 - 121
Naphthalene	50.0	53.1		ug/L		106	61 - 128
n-Butylbenzene	50.0	58.8		ug/L		118	75 - 128
N-Propylbenzene	50.0	53.2		ug/L		106	76 - 126
o-Xylene	50.0	49.8		ug/L		100	78 - 122
sec-Butylbenzene	50.0	57.7		ug/L		115	77 - 126
Styrene	50.0	49.8		ug/L		100	78 - 123
tert-Butylbenzene	50.0	54.7		ug/L		109	78 - 124
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	78 - 124
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	71 - 121
Tetrachloroethene	50.0	53.2		ug/L		106	74 - 129
Toluene	50.0	51.9		ug/L		104	80 - 121
trans-1,2-Dichloroethene	50.0	52.7		ug/L		105	75 - 124
trans-1,3-Dichloropropene	50.0	53.2		ug/L		106	73 - 127
1,2,3-Trichlorobenzene	50.0	54.0		ug/L		108	69 - 129
1,2,4-Trichlorobenzene	50.0	56.3		ug/L		113	69 - 130
1,1,1-Trichloroethane	50.0	52.9		ug/L		106	74 - 131
1,1,2-Trichloroethane	50.0	51.7		ug/L		103	80 - 119
Trichloroethene	50.0	51.5		ug/L		103	79 - 123
Trichlorofluoromethane	50.0	54.5		ug/L		109	65 - 141
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	73 - 122
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	76 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-459224/4
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,3,5-Trimethylbenzene			50.0	53.4		ug/L		107	75 - 124		
Vinyl acetate			100	125		ug/L		125	54 - 146		
Vinyl chloride			50.0	50.4		ug/L		101	58 - 137		
Xylenes, Total			100	101		ug/L		101	79 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*107*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Lab Sample ID: LCSD 680-459224/5
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			250	240		ug/L		96	39 - 160	6	20
Benzene			50.0	51.7		ug/L		103	79 - 120	1	20
Bromobenzene			50.0	46.9		ug/L		94	80 - 120	3	20
Bromoform			50.0	46.6		ug/L		93	66 - 130	2	20
Bromomethane			50.0	43.3		ug/L		87	53 - 141	8	20
2-Butanone (MEK)			250	234		ug/L		94	56 - 143	10	20
Carbon disulfide			50.0	56.0		ug/L		112	64 - 133	3	20
Carbon tetrachloride			50.0	55.8		ug/L		112	72 - 136	3	20
Chlorobenzene			50.0	48.4		ug/L		97	82 - 118	1	20
Chlorobromomethane			50.0	47.3		ug/L		95	78 - 123	5	20
Chlorodibromomethane			50.0	50.2		ug/L		100	74 - 126	4	20
Chloroethane			50.0	52.4		ug/L		105	60 - 138	5	20
Chloroform			50.0	51.7		ug/L		103	79 - 124	2	20
Chloromethane			50.0	51.8		ug/L		104	50 - 139	0	20
2-Chlorotoluene			50.0	52.2		ug/L		104	79 - 122	2	20
4-Chlorotoluene			50.0	51.2		ug/L		102	78 - 122	0	20
cis-1,2-Dichloroethene			50.0	51.8		ug/L		104	78 - 123	2	20
cis-1,3-Dichloropropene			50.0	50.1		ug/L		100	75 - 124	4	20
1,2-Dibromo-3-Chloropropane			50.0	44.1		ug/L		88	62 - 128	3	20
Dibromomethane			50.0	48.9		ug/L		98	79 - 123	3	20
1,2-Dichlorobenzene			50.0	49.2		ug/L		98	80 - 119	3	20
1,3-Dichlorobenzene			50.0	50.1		ug/L		100	80 - 119	4	20
1,4-Dichlorobenzene			50.0	49.8		ug/L		100	79 - 118	4	20
Dichlorobromomethane			50.0	50.4		ug/L		101	79 - 125	4	20
Dichlorodifluoromethane			50.0	63.8		ug/L		128	32 - 152	0	20
1,1-Dichloroethane			50.0	51.6		ug/L		103	77 - 125	1	20
1,2-Dichloroethane			50.0	50.3		ug/L		101	73 - 128	6	20
1,1-Dichloroethene			50.0	53.4		ug/L		107	71 - 131	4	20
1,2-Dichloroethene, Total			100	105		ug/L		105	79 - 121	1	20
1,2-Dichloropropane			50.0	49.4		ug/L		99	78 - 122	3	20
1,3-Dichloropropane			50.0	49.0		ug/L		98	80 - 119	4	20
2,2-Dichloropropane			50.0	57.6		ug/L		115	60 - 139	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-459224/5
Matrix: Water
Analysis Batch: 459224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	54.2		ug/L		108	79 - 125	4	20
Ethylbenzene			50.0	50.8		ug/L		102	79 - 121	2	20
Ethylene Dibromide			50.0	48.8		ug/L		98	75 - 127	6	20
Hexachlorobutadiene			50.0	62.1		ug/L		124	66 - 134	6	20
2-Hexanone			250	260		ug/L		104	57 - 139	6	20
Isopropylbenzene			50.0	53.0		ug/L		106	72 - 131	3	20
4-Isopropyltoluene			50.0	58.0		ug/L		116	77 - 127	6	20
Methylene Chloride			50.0	50.5		ug/L		101	74 - 124	4	20
4-Methyl-2-pentanone (MIBK)			250	263		ug/L		105	67 - 130	6	20
Methyl tert-butyl ether			50.0	50.1		ug/L		100	71 - 124	3	20
m-Xylene & p-Xylene			50.0	51.2		ug/L		102	80 - 121	1	20
Naphthalene			50.0	53.6		ug/L		107	61 - 128	1	20
n-Butylbenzene			50.0	63.4		ug/L		127	75 - 128	7	20
N-Propylbenzene			50.0	55.5		ug/L		111	76 - 126	4	20
o-Xylene			50.0	50.6		ug/L		101	78 - 122	2	20
sec-Butylbenzene			50.0	59.5		ug/L		119	77 - 126	3	20
Styrene			50.0	49.1		ug/L		98	78 - 123	1	20
tert-Butylbenzene			50.0	56.8		ug/L		114	78 - 124	4	20
1,1,1,2-Tetrachloroethane			50.0	47.4		ug/L		95	78 - 124	1	20
1,1,2,2-Tetrachloroethane			50.0	48.2		ug/L		96	71 - 121	4	20
Tetrachloroethene			50.0	54.5		ug/L		109	74 - 129	2	20
Toluene			50.0	52.6		ug/L		105	80 - 121	1	20
trans-1,2-Dichloroethene			50.0	53.2		ug/L		106	75 - 124	1	20
trans-1,3-Dichloropropene			50.0	51.0		ug/L		102	73 - 127	4	20
1,2,3-Trichlorobenzene			50.0	54.5		ug/L		109	69 - 129	1	20
1,2,4-Trichlorobenzene			50.0	57.2		ug/L		114	69 - 130	2	20
1,1,1-Trichloroethane			50.0	53.7		ug/L		107	74 - 131	1	20
1,1,2-Trichloroethane			50.0	49.3		ug/L		99	80 - 119	5	20
Trichloroethene			50.0	51.3		ug/L		103	79 - 123	0	20
Trichlorofluoromethane			50.0	57.2		ug/L		114	65 - 141	5	20
1,2,3-Trichloropropane			50.0	47.4		ug/L		95	73 - 122	2	20
1,2,4-Trimethylbenzene			50.0	53.8		ug/L		108	76 - 124	2	20
1,3,5-Trimethylbenzene			50.0	53.5		ug/L		107	75 - 124	0	20
Vinyl acetate			100	117		ug/L		117	54 - 146	6	20
Vinyl chloride			50.0	52.7		ug/L		105	58 - 137	4	20
Xylenes, Total			100	102		ug/L		102	79 - 121	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*85 - 114*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*
Toluene-d8 (Surr)	*101*		*89 - 112*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-458908/7
Matrix: Water
Analysis Batch: 458908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane	1.1	U	1.1	1.1	0.55	ug/L		11/23/16 09:35	1
Ethylene	1.0	U	1.0	1.0	0.50	ug/L		11/23/16 09:35	1
Methane	0.58	U	0.58	0.58	0.29	ug/L		11/23/16 09:35	1
Methane (TCD)	77	U	390	77	39	ug/L		11/23/16 09:35	1

Lab Sample ID: LCS 680-458908/2
Matrix: Water
Analysis Batch: 458908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	299		ug/L		104	75 - 125
Ethylene	269	282		ug/L		105	75 - 125
Methane	154	154		ug/L		100	75 - 125

Lab Sample ID: LCS 680-458908/5
Matrix: Water
Analysis Batch: 458908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1880		ug/L		98	75 - 125

Lab Sample ID: LCSD 680-458908/3
Matrix: Water
Analysis Batch: 458908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	288	287		ug/L		100	75 - 125	4	30
Ethylene	269	254		ug/L		94	75 - 125	10	30
Methane	154	151		ug/L		98	75 - 125	2	30

Lab Sample ID: LCSD 680-458908/6
Matrix: Water
Analysis Batch: 458908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	1920	1890		ug/L		99	75 - 125	1	30

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-459424/8
Matrix: Water
Analysis Batch: 459424

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.0	1.0	0.40	mg/L		11/28/16 18:02	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-459424/9
Matrix: Water
Analysis Batch: 459424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.95		mg/L		100	87 - 112

Lab Sample ID: LCSD 680-459424/10
Matrix: Water
Analysis Batch: 459424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	9.98		mg/L		100	87 - 112	0	15

Lab Sample ID: 680-132143-2 DU
Matrix: Water
Analysis Batch: 459424

Client Sample ID: G6M-02-11X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1.0	U	1.0	U	mg/L		NC	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-458349/1-A
Matrix: Water
Analysis Batch: 458985

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 458349

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron	50	U	50	50	17	ug/L		11/22/16 22:23	1
Manganese	3.0	U	10	3.0	1.0	ug/L		11/22/16 22:23	1

Lab Sample ID: LCS 680-458349/2-A
Matrix: Water
Analysis Batch: 458985

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 458349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4800		ug/L		96	87 - 115
Manganese	500	492		ug/L		98	90 - 114

Lab Sample ID: 680-132143-1 MS
Matrix: Water
Analysis Batch: 458985

Client Sample ID: MW-7
Prep Type: Dissolved
Prep Batch: 458349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	19000	J	5000	23500		ug/L		101	87 - 115
Manganese	13000	J	500	12800	4	ug/L		63	90 - 114

Lab Sample ID: 680-132143-1 MSD
Matrix: Water
Analysis Batch: 458985

Client Sample ID: MW-7
Prep Type: Dissolved
Prep Batch: 458349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	19000	J	5000	22500	J	ug/L		79	87 - 115	5	20
Manganese	13000	J	500	12400	4	ug/L		-30	90 - 114	4	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-458348/1-A
Matrix: Water
Analysis Batch: 458600

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 458348

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	3.0	U	3.0	3.0	1.5	ug/L		11/18/16 20:15	1

Lab Sample ID: LCS 680-458348/2-A
Matrix: Water
Analysis Batch: 458600

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 458348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	103		ug/L		103	84 - 116

Lab Sample ID: 680-132143-1 MS
Matrix: Water
Analysis Batch: 458600

Client Sample ID: MW-7
Prep Type: Dissolved
Prep Batch: 458348

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	110		100	218		ug/L		103	84 - 116

Lab Sample ID: 680-132143-1 MSD
Matrix: Water
Analysis Batch: 458600

Client Sample ID: MW-7
Prep Type: Dissolved
Prep Batch: 458348

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	110		100	215		ug/L		100	84 - 116	1	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-352220/23
Matrix: Water
Analysis Batch: 352220

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate/Nitrite-N	0.050	U	0.10	0.050	0.019	mg/L		11/18/16 15:07	1

Lab Sample ID: LCS 280-352220/22
Matrix: Water
Analysis Batch: 352220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	5.00	5.20		mg/L		104	90 - 110

Lab Sample ID: MRL 280-352220/21
Matrix: Water
Analysis Batch: 352220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite-N	0.100	0.0722	J	mg/L		72	50 - 150

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-458134/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458134

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	1.0	mg/L		11/17/16 09:17	1

Lab Sample ID: LCS 680-458134/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	12.0		mg/L		120	75 - 125

Lab Sample ID: LCSD 680-458134/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458134

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	12.0		mg/L		120	75 - 125	0	30

Lab Sample ID: 680-132143-7 DU — **Client Sample ID: G6M-03-09X**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458134

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	1.0	U	1.0	U	mg/L		NC	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-353578/38 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 353578

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.446	J	1.0	0.50	0.16	mg/L		11/29/16 07:07	1

Lab Sample ID: MB 280-353578/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 353578

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	0.50	U	1.0	0.50	0.16	mg/L		11/28/16 20:04	1

Lab Sample ID: LCS 280-353578/36 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 353578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	25.0	24.6		mg/L		98	88 - 112

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 280-353578/4
Matrix: Water
Analysis Batch: 353578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon - Duplicates			25.0	24.7		mg/L		99	88 - 112		

Lab Sample ID: LCSD 280-353578/37
Matrix: Water
Analysis Batch: 353578

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates			25.0	24.7		mg/L		99	88 - 112	1	15

Lab Sample ID: LCSD 280-353578/5
Matrix: Water
Analysis Batch: 353578

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates			25.0	24.6		mg/L		98	88 - 112	0	15

Lab Sample ID: 680-132143-12 MS
Matrix: Water
Analysis Batch: 353578

Client Sample ID: G6M-03-08X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon - Duplicates	1.3		25.0	25.6		mg/L		97	88 - 112		

Lab Sample ID: 680-132143-12 MSD
Matrix: Water
Analysis Batch: 353578

Client Sample ID: G6M-03-08X
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	1.3		25.0	25.7		mg/L		98	88 - 112	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-352383/31
Matrix: Water
Analysis Batch: 352383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	1.13	J	5.0	3.2	1.1	mg/L		11/20/16 14:59	1

Lab Sample ID: LCS 280-352383/30
Matrix: Water
Analysis Batch: 352383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			200	194		mg/L		97	90 - 110		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 280-352584/31
Matrix: Water
Analysis Batch: 352584

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Alkalinity	3.21	J	5.0	3.2	1.1	mg/L		11/21/16 18:41	1

Lab Sample ID: LCS 280-352584/30
Matrix: Water
Analysis Batch: 352584

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	193		mg/L		96	90 - 110

GC/MS VOA

Analysis Batch: 459061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-1	MW-7	Total/NA	Water	8260B	
680-132143-2	G6M-02-11X	Total/NA	Water	8260B	
680-132143-3	G6M-02-12X	Total/NA	Water	8260B	
680-132143-4	XSA-12-95X	Total/NA	Water	8260B	
680-132143-5	XSA-12-96X	Total/NA	Water	8260B	
680-132143-6	G6M-04-05X	Total/NA	Water	8260B	
680-132143-7	G6M-03-09X	Total/NA	Water	8260B	
680-132143-8	G6M-04-07X	Total/NA	Water	8260B	
680-132143-9	G6M-04-06X	Total/NA	Water	8260B	
680-132143-10	Trip Blank	Total/NA	Water	8260B	
680-132143-11	XSA-12-97X	Total/NA	Water	8260B	
680-132143-12	G6M-03-08X	Total/NA	Water	8260B	
680-132143-13	G6M-03-10X	Total/NA	Water	8260B	
MB 680-459061/9	Method Blank	Total/NA	Water	8260B	
LCS 680-459061/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-459061/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 459224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-14	G6M-97-05B	Total/NA	Water	8260B	
MB 680-459224/9	Method Blank	Total/NA	Water	8260B	
LCS 680-459224/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-459224/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 458908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-2	G6M-02-11X	Total/NA	Water	RSK-175	
680-132143-3	G6M-02-12X	Total/NA	Water	RSK-175	
680-132143-6	G6M-04-05X	Total/NA	Water	RSK-175	
680-132143-7	G6M-03-09X	Total/NA	Water	RSK-175	
680-132143-8	G6M-04-07X	Total/NA	Water	RSK-175	
680-132143-9	G6M-04-06X	Total/NA	Water	RSK-175	
680-132143-12	G6M-03-08X	Total/NA	Water	RSK-175	
680-132143-13	G6M-03-10X	Total/NA	Water	RSK-175	
MB 680-458908/7	Method Blank	Total/NA	Water	RSK-175	
LCS 680-458908/2	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-458908/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-458908/3	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-458908/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 459424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-2	G6M-02-11X	Total/NA	Water	9056A	
680-132143-3	G6M-02-12X	Total/NA	Water	9056A	
680-132143-6	G6M-04-05X	Total/NA	Water	9056A	
680-132143-7	G6M-03-09X	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 459424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-8	G6M-04-07X	Total/NA	Water	9056A	
680-132143-9	G6M-04-06X	Total/NA	Water	9056A	
680-132143-12	G6M-03-08X	Total/NA	Water	9056A	
680-132143-13	G6M-03-10X	Total/NA	Water	9056A	
MB 680-459424/8	Method Blank	Total/NA	Water	9056A	
LCS 680-459424/9	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-459424/10	Lab Control Sample Dup	Total/NA	Water	9056A	
680-132143-2 DU	G6M-02-11X	Total/NA	Water	9056A	

Metals

Prep Batch: 458348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-1	MW-7	Dissolved	Water	3005A	
680-132143-2	G6M-02-11X	Dissolved	Water	3005A	
680-132143-3	G6M-02-12X	Dissolved	Water	3005A	
680-132143-4	XSA-12-95X	Dissolved	Water	3005A	
680-132143-5	XSA-12-96X	Dissolved	Water	3005A	
680-132143-6	G6M-04-05X	Dissolved	Water	3005A	
680-132143-7	G6M-03-09X	Dissolved	Water	3005A	
680-132143-8	G6M-04-07X	Dissolved	Water	3005A	
680-132143-9	G6M-04-06X	Dissolved	Water	3005A	
680-132143-11	XSA-12-97X	Dissolved	Water	3005A	
680-132143-12	G6M-03-08X	Dissolved	Water	3005A	
680-132143-13	G6M-03-10X	Dissolved	Water	3005A	
680-132143-14	G6M-97-05B	Dissolved	Water	3005A	
MB 680-458348/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-458348/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132143-1 MS	MW-7	Dissolved	Water	3005A	
680-132143-1 MSD	MW-7	Dissolved	Water	3005A	

Prep Batch: 458349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-1	MW-7	Dissolved	Water	3005A	
680-132143-2	G6M-02-11X	Dissolved	Water	3005A	
680-132143-3	G6M-02-12X	Dissolved	Water	3005A	
680-132143-4	XSA-12-95X	Dissolved	Water	3005A	
680-132143-5	XSA-12-96X	Dissolved	Water	3005A	
680-132143-6	G6M-04-05X	Dissolved	Water	3005A	
680-132143-7	G6M-03-09X	Dissolved	Water	3005A	
680-132143-8	G6M-04-07X	Dissolved	Water	3005A	
680-132143-9	G6M-04-06X	Dissolved	Water	3005A	
680-132143-11	XSA-12-97X	Dissolved	Water	3005A	
680-132143-12	G6M-03-08X	Dissolved	Water	3005A	
680-132143-13	G6M-03-10X	Dissolved	Water	3005A	
680-132143-14	G6M-97-05B	Dissolved	Water	3005A	
MB 680-458349/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-458349/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-132143-1 MS	MW-7	Dissolved	Water	3005A	
680-132143-1 MSD	MW-7	Dissolved	Water	3005A	

Metals (Continued)

Analysis Batch: 458600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-1	MW-7	Dissolved	Water	6020A	458348
680-132143-2	G6M-02-11X	Dissolved	Water	6020A	458348
680-132143-3	G6M-02-12X	Dissolved	Water	6020A	458348
680-132143-4	XSA-12-95X	Dissolved	Water	6020A	458348
680-132143-5	XSA-12-96X	Dissolved	Water	6020A	458348
680-132143-6	G6M-04-05X	Dissolved	Water	6020A	458348
680-132143-7	G6M-03-09X	Dissolved	Water	6020A	458348
680-132143-8	G6M-04-07X	Dissolved	Water	6020A	458348
680-132143-9	G6M-04-06X	Dissolved	Water	6020A	458348
680-132143-11	XSA-12-97X	Dissolved	Water	6020A	458348
680-132143-12	G6M-03-08X	Dissolved	Water	6020A	458348
680-132143-13	G6M-03-10X	Dissolved	Water	6020A	458348
680-132143-14	G6M-97-05B	Dissolved	Water	6020A	458348
MB 680-458348/1-A	Method Blank	Total Recoverable	Water	6020A	458348
LCS 680-458348/2-A	Lab Control Sample	Total Recoverable	Water	6020A	458348
680-132143-1 MS	MW-7	Dissolved	Water	6020A	458348
680-132143-1 MSD	MW-7	Dissolved	Water	6020A	458348

Analysis Batch: 458985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-1	MW-7	Dissolved	Water	6010C	458349
680-132143-2	G6M-02-11X	Dissolved	Water	6010C	458349
680-132143-3	G6M-02-12X	Dissolved	Water	6010C	458349
680-132143-4	XSA-12-95X	Dissolved	Water	6010C	458349
680-132143-5	XSA-12-96X	Dissolved	Water	6010C	458349
680-132143-6	G6M-04-05X	Dissolved	Water	6010C	458349
680-132143-7	G6M-03-09X	Dissolved	Water	6010C	458349
680-132143-8	G6M-04-07X	Dissolved	Water	6010C	458349
680-132143-9	G6M-04-06X	Dissolved	Water	6010C	458349
680-132143-11	XSA-12-97X	Dissolved	Water	6010C	458349
680-132143-12	G6M-03-08X	Dissolved	Water	6010C	458349
680-132143-13	G6M-03-10X	Dissolved	Water	6010C	458349
680-132143-14	G6M-97-05B	Dissolved	Water	6010C	458349
MB 680-458349/1-A	Method Blank	Total Recoverable	Water	6010C	458349
LCS 680-458349/2-A	Lab Control Sample	Total Recoverable	Water	6010C	458349
680-132143-1 MS	MW-7	Dissolved	Water	6010C	458349
680-132143-1 MSD	MW-7	Dissolved	Water	6010C	458349

General Chemistry

Analysis Batch: 352220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-2	G6M-02-11X	Total/NA	Water	353.2	
680-132143-3	G6M-02-12X	Total/NA	Water	353.2	
680-132143-6	G6M-04-05X	Total/NA	Water	353.2	
680-132143-7	G6M-03-09X	Total/NA	Water	353.2	
680-132143-8	G6M-04-07X	Total/NA	Water	353.2	
680-132143-9	G6M-04-06X	Total/NA	Water	353.2	
680-132143-12	G6M-03-08X	Total/NA	Water	353.2	
680-132143-13	G6M-03-10X	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 352220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-352220/23	Method Blank	Total/NA	Water	353.2	
LCS 280-352220/22	Lab Control Sample	Total/NA	Water	353.2	
MRL 280-352220/21	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 352383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-2	G6M-02-11X	Total/NA	Water	SM 2320B	
680-132143-3	G6M-02-12X	Total/NA	Water	SM 2320B	
680-132143-6	G6M-04-05X	Total/NA	Water	SM 2320B	
680-132143-7	G6M-03-09X	Total/NA	Water	SM 2320B	
680-132143-8	G6M-04-07X	Total/NA	Water	SM 2320B	
680-132143-9	G6M-04-06X	Total/NA	Water	SM 2320B	
MB 280-352383/31	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-352383/30	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 352584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-12	G6M-03-08X	Total/NA	Water	SM 2320B	
680-132143-13	G6M-03-10X	Total/NA	Water	SM 2320B	
MB 280-352584/31	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-352584/30	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 353578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-2	G6M-02-11X	Total/NA	Water	9060A	
680-132143-3	G6M-02-12X	Total/NA	Water	9060A	
680-132143-6	G6M-04-05X	Total/NA	Water	9060A	
680-132143-7	G6M-03-09X	Total/NA	Water	9060A	
680-132143-8	G6M-04-07X	Total/NA	Water	9060A	
680-132143-9	G6M-04-06X	Total/NA	Water	9060A	
680-132143-12	G6M-03-08X	Total/NA	Water	9060A	
680-132143-13	G6M-03-10X	Total/NA	Water	9060A	
MB 280-353578/38	Method Blank	Total/NA	Water	9060A	
MB 280-353578/6	Method Blank	Total/NA	Water	9060A	
LCS 280-353578/36	Lab Control Sample	Total/NA	Water	9060A	
LCS 280-353578/4	Lab Control Sample	Total/NA	Water	9060A	
LCSD 280-353578/37	Lab Control Sample Dup	Total/NA	Water	9060A	
LCSD 280-353578/5	Lab Control Sample Dup	Total/NA	Water	9060A	
680-132143-12 MS	G6M-03-08X	Total/NA	Water	9060A	
680-132143-12 MSD	G6M-03-08X	Total/NA	Water	9060A	

Analysis Batch: 458134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-132143-2	G6M-02-11X	Total/NA	Water	9034	
680-132143-3	G6M-02-12X	Total/NA	Water	9034	
680-132143-6	G6M-04-05X	Total/NA	Water	9034	
680-132143-7	G6M-03-09X	Total/NA	Water	9034	
680-132143-8	G6M-04-07X	Total/NA	Water	9034	
680-132143-9	G6M-04-06X	Total/NA	Water	9034	
680-132143-12	G6M-03-08X	Total/NA	Water	9034	
680-132143-13	G6M-03-10X	Total/NA	Water	9034	

General Chemistry (Continued)

Analysis Batch: 458134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-458134/1	Method Blank	Total/NA	Water	9034	
LCS 680-458134/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-458134/3	Lab Control Sample Dup	Total/NA	Water	9034	
680-132143-7 DU	G6M-03-09X	Total/NA	Water	9034	

Client Sample ID: MW-7

Lab Sample ID: 680-132143-1

Date Collected: 11/14/16 09:20

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 13:06	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 22:42	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 20:22	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-02-11X

Lab Sample ID: 680-132143-2

Date Collected: 11/14/16 10:45

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 13:30	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 11:38	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 20:04	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:04	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 20:39	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:17	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 05:05	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352383	11/20/16 16:17	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-02-12X

Lab Sample ID: 680-132143-3

Date Collected: 11/14/16 12:35

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 13:53	JD1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: G6M-02-12X

Lab Sample ID: 680-132143-3

Date Collected: 11/14/16 12:35

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 11:51	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 20:38	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:09	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 20:43	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:19	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 05:20	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352383	11/20/16 16:21	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: XSA-12-95X

Lab Sample ID: 680-132143-4

Date Collected: 11/14/16 14:35

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 14:17	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:13	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 20:46	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: XSA-12-96X

Lab Sample ID: 680-132143-5

Date Collected: 11/14/16 15:30

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 14:40	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:18	BCB	TAL SAV
	Instrument ID: ICPE									

Client Sample ID: XSA-12-96X

Lab Sample ID: 680-132143-5

Date Collected: 11/14/16 15:30

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 20:57	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-04-05X

Lab Sample ID: 680-132143-6

Date Collected: 11/14/16 10:45

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 15:04	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 13:02	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 20:56	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:32	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:00	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:21	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 05:39	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352383	11/20/16 16:25	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-03-09X

Lab Sample ID: 680-132143-7

Date Collected: 11/14/16 12:20

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 15:27	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 13:15	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 21:13	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV

Client Sample ID: G6M-03-09X

Lab Sample ID: 680-132143-7

Date Collected: 11/14/16 12:20

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1			458985	11/22/16 23:36	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:04	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:23	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 05:56	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352383	11/20/16 16:29	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-04-07X

Lab Sample ID: 680-132143-8

Date Collected: 11/14/16 15:50

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 15:51	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 13:28	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 21:31	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:41	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:07	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:37	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 06:12	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352383	11/20/16 16:34	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: G6M-04-06X

Lab Sample ID: 680-132143-9

Date Collected: 11/14/16 16:45

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 16:14	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 13:41	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 21:48	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:45	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:11	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:39	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 07:38	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352383	11/20/16 16:38	MMC	TAL DEN
	Instrument ID: WC-AT3									

Client Sample ID: Trip Blank

Lab Sample ID: 680-132143-10

Date Collected: 11/14/16 00:00

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 10:22	JD1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: XSA-12-97X

Lab Sample ID: 680-132143-11

Date Collected: 11/14/16 16:05

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 16:38	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:50	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:14	BJB	TAL SAV
	Instrument ID: ICPMSD									

Client Sample ID: G6M-03-08X

Lab Sample ID: 680-132143-12

Date Collected: 11/14/16 09:25

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 17:01	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 13:54	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 22:40	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:54	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:18	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:41	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9060A		1			353578	11/29/16 08:25	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352584	11/21/16 19:24	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-03-10X

Lab Sample ID: 680-132143-13

Date Collected: 11/14/16 08:20

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459061	11/25/16 17:25	JD1	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	458908	11/23/16 14:07	MKA	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9056A		1	5 mL	5 mL	459424	11/28/16 22:58	JRJ	TAL SAV
	Instrument ID: CICH									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/22/16 23:59	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:22	BJB	TAL SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	353.2		1	100 mL	100 mL	352220	11/18/16 15:43	SVC	TAL DEN
	Instrument ID: WC_Alp 2									
Total/NA	Analysis	9034		1	250 mL	250 mL	458134	11/17/16 09:17	LAF	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: G6M-03-10X

Lab Sample ID: 680-132143-13

Date Collected: 11/14/16 08:20

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1			353578	11/29/16 09:12	CCJ	TAL DEN
	Instrument ID: WC_SHI2									
Total/NA	Analysis	SM 2320B		1			352584	11/21/16 19:29	MMC	TAL DEN
	Instrument ID: WC_AT2									

Client Sample ID: G6M-97-05B

Lab Sample ID: 680-132143-14

Date Collected: 11/15/16 10:20

Matrix: Water

Date Received: 11/16/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	459224	11/28/16 10:17	JD1	TAL SAV
	Instrument ID: CMSO2									
Dissolved	Prep	3005A			50 mL	50 mL	458349	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6010C		1			458985	11/23/16 00:04	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	3005A			50 mL	250 mL	458348	11/18/16 10:07	AJR	TAL SAV
Dissolved	Analysis	6020A		1			458600	11/18/16 21:25	BJB	TAL SAV
	Instrument ID: ICPMSD									

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 1 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F, Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affiliation: Vern Anderson

Sampler(s) Signature(s):

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes): H | H | N | I | S | I | O | S

Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*-SW6010/6020 1-250 ml poly (HNO3)	Sulfate-SW9056 1-125-ml poly	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4)	Alkalinity/SM2320B 1-250-ml poly	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH)	TOC/SW9060 1-250-ml amber glass (H2SO4)	Remarks	Lab. No.
MW-7	11/14/16	0920	P	GW	4	X		X							
G6M-02-11X	11/14/16	1045	P	GW		X	X	X	X	X	X	X	X		
G6M-02-12X	11/14/16	1235	P	GW		X	X	X	X	X	X	X	X		
XSA-12-95X	11/14/16	1435	P	GW	4	X		X							
XSA-12-96X	11/14/16	1530	P	GW	4	X		X							
G6M-04-05X	11/14/16	1045	P	GW		X	X	X	X	X	X	X	X		
G6M-03-09X	11/14/16	1220	P	GW		X	X	X	X	X	X	X	X		
G6M-04-07X	11/14/16	1550	P	GW		X	X	X	X	X	X	X	X		
G6M-04-06X	11/14/16	1645	P	GW		X	X	X	X	X	X	X	X		
Trip Blank			O	O		X									
XSA-12-97X	11/14/16	1605				X		X							
G6M-03-08X	11/14/16	925		GW		X	X	X	X	X	X	X	X		
G6M-03-10X	11/14/16	820		GW		X	X	X	X	X	X	X	X		
Shipping Details			courier pick up		0	← Total Number of Containers									

680-132143 Chain of Custody

Date Out: Via:
Returned: Via:

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
		11/15/16	1810		11/15	13:10
		11/15	15:15	V. Jackson	11-16-16	4:20

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments

Seal # ____ Preserve Where Applicable ☐ On ICE ☐

Temperature 04/08 2.1/2.3 C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info

☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SP = Soil SW = Surface Water O = Other
PRESERVATIVE CODES: H = HCL + Ice I = Ice Only N = Nitric Acid + Ice S = Sulfuric Acid + Ice M = Methanol O = Other
COLLECTION METHOD CODES: C = Composite G=Grab P= Pumping O = Other

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 2 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affiliation: Josh G. Anderson

Sampler(s) Signature(s):

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	Preservatives (see codes) H	H	N	I	S	I	O	S	Analyses Requested: VOCs/SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*: SW6010/6020 1-250 ml poly (HNO3)	Sulfate-SW9056 1-125-ml poly	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4)	Alkalinity/SM2320B 1-250-ml poly	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH)	TOC/SW9060 1-250-ml amber glass (H2SO4)	Remarks	Lab. No.
66M-97-95B	11/15/16	1020	P	GW										X		X							
			P	GW																			
			P	GW																			
			P	GW																			
			P	GW																			
			P	GW																			
			P	GW																			
			P	GW																			
			P	GW																			
			P	GW																			
~~Trip Blank~~			~~O~~	~~O~~																			

Shipping Details: courier pick up — Number of Containers: 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
		11/15/16	1310		11/15	13:40
		11/15/16	15:45	V. Samson HK	11/16	9:20

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # _____ Preserve Where Applicable ☐
On ICE ☐ 0.4/0.8 2.1/2.3
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air; GW = Groundwater; SE = Sediment; SP = Soil; SW = Surface Water; O = Other
PRESERVATIVE CODES: H = HCL + Ice; I = Ice Only; N = Nitric Acid + Ice; S = Sulfuric Acid + Ice; M = Methanol; O = Other
COLLECTION METHOD CODES: C = Composite; G=Grab; P= Pumping; O = Other

360325-Boston

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 1 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affilliation: [signature]

Sampler(s) Signature(s): [signature]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes)

Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl) (H)	MEE/RSK175 3-40-ml VOA vials (HCl) (H)	Dissolved Metals*- SW6010/6020 1-250 ml poly (HNO3) (N)	Sulfate-SW9056 1-125-ml poly (I)	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4) (S)	Alkalinity/SM2320B 1-250-ml poly (I)	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH) (O)	TOC/SW9060 1-250-ml amber glass (H2SO4) (S)	Remarks	Lab. No.
MW-7	11/14/16	0920	P	GW	4	X		X							
G6M-02-11X	11/14/16	1045	P	GW		X	X	X	X	X	X	X	X		
G6M-02-12X	11/14/16	1235	P	GW		X	X	X	X	X	X	X	X		
XSA-12-95X	11/14/16	1435	P	GW	4	X		X							
XSA-12-96X	11/14/16	1530	P	GW	4	X		X							
G6M-04-05X	11/14/16	1045	P	GW		X	X	X	X	X	X	X	X		
G6M-03-09X	11/14/16	1220	P	GW		X	X	X	X	X	X	X	X		
G6M-04-07X	11/14/16	1550	P	GW		X	X	X	X	X	X	X	X		
G6M-04-06X	11/14/16	1645	P	GW		X	X	X	X	X	X	X	X		
Trip Blank			O	O		X									
XSA-12-97X	11/14/16	1605				X		X							
G6M-03-08X	11/14/16	925	GW	GW		X	X	X	X	X	X	X	X		
G6M-03-10X	11/14/16	820		GW		X	X	X	X	X	X	X	X		

Shipping Details: courier pick up 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
	[signature] VGS	11/15/16	1310	[signature]	11/15	13:10
	[signature]	11/15	15:45	[signature] TAD	11-16-16	1000

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # _____ Preserve Where Applicable ☐ On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SP = Soil SW = Surface Water O = Other
PRESERVATIVE CODES: H = HCL + Ice I = Ice Only N = Nitric Acid + Ice S = Sulfuric Acid + Ice
COLLECTION METHOD CODES: C = Composite G=Grab P= Pumping

0.4 IRS (f 0.0 transfered SPW 11-16-16

680-132143 Chain of Custody

Alkalinity TOC + Nitrate TO Denver

The Report To Savannah

360325-Boston

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 2 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affilliation: Kathy B. Anderson

Sampler(s) Signature(s): [signature]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes) / Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl) (H)	MEE/RSK175 3-40-ml VOA vials (HCl) (H)	Dissolved Metals*-SW6010/6020 1-250 ml poly (HNO3) (N)	Sulfate-SW9056 1-125-ml poly (I)	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4) (S)	Alkalinity/SM2320B 1-250-ml poly (I)	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH) (O)	TOC/SW9060 1-250-ml amber glass (H2SO4) (S)	Remarks	Lab. No.
66M-97-05B	11/15/16	1020	P	GW		X		X							
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
~~Trip Blank~~ VOA			~~O~~	~~O~~											

ALKALINITY
NITRATE TOC
TO DENVER
THE REST TO
SAVANNAH

Shipping Details: courier pick up 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:
Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
	[signature] VOS	11/15/16	1310	[signature]	11/15	1310
	[signature]	11/15/16	15:45	S. TAD	11-16-16	1000

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # _____ Preserve Where Applicable ☐ On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SP = Soil SW = Surface Water O = Other
PRESERVATIVE CODES: H = HCL + Ice I = Ice Only N = Nitric Acid + Ice S = Sulfuric Acid + Ice M = Methanol O = Other
COLLECTION METHOD CODES: C = Composite G=Grab P= Pumping O = Other

360325-Boston

COC / Workorder#: Devens - AOC50

Chain of Custody Record

Page: 1 of: 2

Company	KOMAN GS, LLC
Address:	160 East Main Street, Suite 2F Westborough, MA
Phone: 508-366-7442	Fax: 508-366-7445
Sampled by [Print Name(s)]/Affiliation	Emily Anderson
Sampler(s) Signature(s)	

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	Preservatives (see codes) H	H	N	I	S	I	O	S	Remarks	Lab. No.
						Analyses Requested: VOCs/SW8260 3-40-ml vials (HCl)	MEE/RSK175 3-40-ml VOA vials (HCl)	Dissolved Metals*- SW6010/6020 1-250 ml poly (HNO3)	Sulfate-SW9056 1-125-ml poly	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4)	Alkalinity/SM2320B 1-250-ml poly	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH)	TOC/SW9060 1-250-ml amber glass (H2SO4)		
MW-7	11/14/16	0920	P	GW	4	X		X							
G6M-02-11X	11/14/16	1045	P	GW		X	X	X	X	X	X	X	X		
G6M-02-12X	11/14/16	1235	P	GW		X	X	X	X	X	X	X	X		
XSA-12-95X	11/14/16	1435	P	GW	4	X		X							
XSA-12-96X	11/14/16	1530	P	GW	4	X		X							
G6M-04-05X	11/14/16	1045	P	GW		X	X	X	X	X	X	X	X		
G6M-03-09X	11/14/16	1220	P	GW		X	X	X	X	X	X	X	X		
G6M-04-07X	11/14/16	1550	P	GW		X	X	X	X	X	X	X	X		
G6M-04-06X	11/14/16	1645	P	GW		X	X	X	X	X	X	X	X		
Trip Blank			O	O		X									
XSA-12-97X	11/14/16	1605				X		X							
G6M-03-08X	11/14/16	925		GW		X	X	X	X	X	X	X	X		
G6M-03-10X	11/14/16	820		GW		X	X	X	X	X	X	X	X		

ALKALINITY TOC + NITRATE TO DENVER

THIS NEEDS TO SAVANNAH

Shipping Details: courier pick up — 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
		11/15/16	1310		11/15	13:10
		11/15	15:45	TAD	11-16-16	1000

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal # ____ Preserve Where Applicable ☐ On ICE ☐
Temperature ____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air; GW = Groundwater; SE = Sediment; SP = Soil; SW = Surface Water; O = Other
PRESERVATIVE CODES: H = HCL + Ice; I = Ice Only; N = Nitric Acid + Ice; S = Sulfuric Acid + Ice
COLLECTION METHOD CODES: C = Composite; G=Grab; P= Pumping

0.9 IRS (f0.0 transfered SPW 11-16-16

680-132143 Chain of Custody


Boston
360325

360325-Boston

COC / Workorder#

Devens - AOC50

Chain of Custody Record

Page: 2 of: 2

Company: KOMAN GS, LLC

Address: 160 East Main Street, Suite 2F
Westborough, MA

Phone: 508-366-7442 Fax: 508-366-7445

Sampled by [Print Name(s)]/Affilliation: Kevin G. Anderson

Sampler(s) Signature(s): [signature]

Laboratory: Test America - Savannah
Address:
Contact: Jerry Lanier
Regulatory Facility No.
Project Name: Devens Fall 2016 LTM
Sampling QAP No.:
Approval Date:
TAT
Other:

Preservatives (see codes) / Analyses Requested

Sample ID No.	Sampled Date	Sampled Time	Col. Method (see codes)	Matrix (see codes)	Number of Containers	VOCs/SW8260 3-40-ml vials (HCl) (H)	MEE/RSK175 3-40-ml VOA vials (HCl) (H)	Dissolved Metals*-SW6010/6020 1-250 ml poly (HNO3) (N)	Sulfate-SW9056 1-125-ml poly (I)	Nitrate/Nitrite-E353.2 1-125ml amber glass (H2SO4) (S)	Alkalinity/SM2320B 1-250-ml poly (I)	Sulfide-SW9034 2-250ml poly (Zn acetate&NaOH) (O)	TOC/SW9060 1-250-ml amber glass (H2SO4) (S)	Remarks	Lab. No.
66M-97-05B	11/15/16	1020	P	GW		X		X							
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
			P	GW											
~~Trip Blank~~ KGA			~~O~~	~~O~~											

ALKALINITY
NITRATE TOC
TO DENVER
THE REST TO
SAVANNAH

Shipping Details: courier pick up 0 ← Total Number of Containers

Date Out: Via:
Returned: Via:

Additional Comments:
* = Dissolved Metals include: Fe, Mn (6010); As (6020)

Item No.	Relinquished by/Affiliation	Date	Time		Date	Time
	[signature] KGS	11/15/16	1310	[signature]	11/15	12:10
	[signature]	11/15/16	15:45	S. TAD	11-16-16	1000

email logins and results to:
lekes@komangs.com
eanderson@komangs.com

Lab Comments
Seal #
Preserve Where Applicable ☐
On ICE ☐
Temperature _____ C

☐ NJ Reduced
☐ NJ Full
☐ Full CLP
☐ Disk Deliverable
☐ Other (Specify)

NJ Data Deliverable Info
☐ Commercial "A"
☐ Commercial "B"
☐ State Forms

MATRIX CODES: A = Air	GW = Groundwater	SE = Sediment	SP = Soil	SW = Surface Water		O = Other
PRESERVATIVE CODES:	H = HCL + Ice	I = Ice Only	N = Nitric Acid + Ice	S = Sulfuric Acid + Ice	M = Methanol	O = Other
COLLECTION METHOD CODES:	C = Composite	G=Grab	P= Pumping			O = Other


Boston
360325

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-132143-1

Login Number: 132143

List Source: TestAmerica Savannah

List Number: 1

Creator: Ragnaldsen, Amy E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KOMAN Government Solutions, LLC

Job Number: 680-132143-1

Login Number: 132143
List Number: 2
Creator: Woodworth, Sean P

List Source: TestAmerica Denver
List Creation: 11/17/16 08:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: KOMAN Government Solutions, LLC
Project/Site: Fort Devens / AOC 50

TestAmerica Job ID: 680-132143-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		399.01	02-28-17

Laboratory: TestAmerica Denver

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17

APPENDIX C
ANALYTICAL DATA VALIDATION REPORTS (on CD)

C.1

Data Validation Reports
February 2016 Sampling Event

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44300
Laboratory: SGS-Accutest New England	Date: 2/29/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-13-06X	MC44300-1	2/9/2016	VOCs	Groundwater
G6M-04-10X	MC44300-2	2/9/2016	VOCs	Groundwater
G6M-93-13X	MC44300-3	2/9/2016	VOCs	Groundwater
G6M-13-05X	MC44300-4	2/10/2016	VOCs	Groundwater
G6M-04-02X	MC44300-5	2/10/2016	VOCs	Groundwater
DUP-2	MC44300-6	2/10/2016	VOCs	Groundwater
MW-3	MC44300-7	2/10/2016	VOCs	Groundwater
TRIP BLANK	MC44300-8	2/10/2016	VOCs	Trip Blank
G6M-03-07X	MC44300-9	2/10/2016	VOCs	Groundwater
G6M-02-08X	MC44300-10	2/10/2016	VOCs	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples, one (1) field duplicate sample and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/10/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5209-BS) analyzed on 2/16/2016 with these samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-10X (Lab Sample ID: MC44300-2) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs and calculated RPDs were within control limits for all target VOCs.

Qualification: None required.

Method Blank – The method blank (VJ5209-MB) analyzed on 2/16/2016 with these samples was free of contamination.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44300-8) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Samples G6M-04-02X (Lab Sample ID; MC44300-5) and DUP-2 (Lab Sample ID: MC44300-6) were field duplicate samples submitted with this sample set. Detected sample results were comparable for cis-1,2-dichloroethylene and tetrachloroethylene with calculated RPDs less than 30%. However, the calculated RPDs for trichloroethylene and vinyl chloride were above 30%.

Client Sample ID:	G6M-04-02X	DUP-2	
Lab Sample ID:	MC44300-5	MC44300-6	
Date Sampled:	2/10/2016	2/10/2016	
	Result (ug/L)	Result (ug/L)	RPD (%)
cis-1,2-Dichloroethylene	12.3	16	26.1
Tetrachloroethylene	333	296	11.8
Trichloroethylene	60.2	83.4	**32.3**
Vinyl Chloride	1.5	2.2	**37.8**

Qualification: The results for trichloroethylene and vinyl chloride were qualified as estimated (J) in both samples.

Compound Quantitation – Sample G6M-13-05X (Lab Sample ID: MC44300-4) was analyzed at a 10X dilution due to high levels of target compounds. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (ug/L)	Lab Qualifier	Validated Value (ug/L)	Validation Qualifier
G6M-13-06X	MC44300-1	VOCs	No qualifications required.			
G6M-04-10X	MC44300-2	VOCs	No qualifications required.			
G6M-93-13X	MC44300-3	VOCs	No qualifications required.			
G6M-13-05X	MC44300-4	VOCs	No qualifications required.			
G6M-04-02X	MC44300-5	Trichloroethylene	60.2		60.2	J
G6M-04-02X	MC44300-5	Vinyl Chloride	1.5	J	1.5	J
DUP-2	MC44300-6	Trichloroethylene	83.4		83.4	J
DUP-2	MC44300-6	Vinyl Chloride	2.2		2.2	J
MW-3	MC44300-7	VOCs	No qualifications required.			
TRIP BLANK	MC44300-8	VOCs	No qualifications required.			
G6M-03-07X	MC44300-9	VOCs	No qualifications required.			
G6M-02-08X	MC44300-10	VOCs	No qualifications required.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44300
Laboratory: SGS-Accutest New England	Date: 2/29/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-13-06X	MC44300-1	2/9/2016	RSK-175	Groundwater
G6M-04-10X	MC44300-2	2/9/2016	RSK-175	Groundwater
G6M-93-13X	MC44300-3	2/9/2016	RSK-175	Groundwater
G6M-13-05X	MC44300-4	2/10/2016	RSK-175	Groundwater
G6M-04-02X	MC44300-5	2/10/2016	RSK-175	Groundwater
DUP-2	MC44300-6	2/10/2016	RSK-175	Groundwater
MW-3	MC44300-7	2/10/2016	RSK-175	Groundwater
G6M-03-07X	MC44300-9	2/10/2016	RSK-175	Groundwater
G6M-02-08X	MC44300-10	2/10/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and one (1) field duplicate samples submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/10/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1590 on 2/19/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-10X (lab sample ID: MC44300-2) was spiked and analyzed as matrix spike/duplicate samples. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Samples G6M-04-02X and DUP2 (Lab Sample IDs: MC44300-5 and -6) were field duplicate samples. Ethane and ethene were non-detect in both samples. The result for methane was 4,410 µg/L in sample MC44300-5 and 7,920 µg/L in sample MC44300-6, with a calculated RPD of 56.9%.

Qualification: The results for methane in the FD sample pair were qualified as estimated (J).

Compound Quantitation – Samples MC44300-1, -5, -6, -7, -9 and -10 were reanalyzed at dilutions due to high levels of methane. Both diluted and undiluted results were reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable with the noted qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (ug/L)	Lab Qualifier	Validated Value (ug/L)	Validation Qualifier
G6M-13-06X	MC44300-1	Methane, ethane, ethene	No qualifications required.			
G6M-04-10X	MC44300-2	Methane, ethane, ethene	No qualifications required.			
G6M-93-13X	MC44300-3	Methane, ethane, ethene	No qualifications required.			
G6M-13-05X	MC44300-4	Methane, ethane, ethene	No qualifications required.			
G6M-04-02X	MC44300-5	Methane	4,410		4,410	J
DUP-2	MC44300-6	Methane	7,920		7,920	J
MW-3	MC44300-7	Methane, ethane, ethene	No qualifications required.			
G6M-03-07X	MC44300-9	Methane, ethane, ethene	No qualifications required.			
G6M-02-08X	MC44300-10	Methane, ethane, ethene	No qualifications required.			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44300
Laboratory: SGS-Accutest New England	Date: 2/29/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID:	Lab Sample ID:	Date Sampled:	Analysis	Matrix
G6M-13-06X	MC44300-1F	2/9/2016	Dissolved As, Fe, Mn	Groundwater
G6M-04-10X	MC44300-2F	2/9/2016	Dissolved As, Fe, Mn	Groundwater
G6M-93-13X	MC44300-3F	2/9/2016	Dissolved As, Fe, Mn	Groundwater
G6M-13-05X	MC44300-4F	2/10/2016	Dissolved As, Fe, Mn	Groundwater
G6M-04-02X	MC44300-5F	2/10/2016	Dissolved As, Fe, Mn	Groundwater
DUP-2	MC44300-6F	2/10/2016	Dissolved As, Fe, Mn	Groundwater
MW-3	MC44300-7F	2/10/2016	Dissolved As, Fe, Mn	Groundwater
G6M-03-07X	MC44300-9F	2/10/2016	Dissolved As, Fe, Mn	Groundwater
G6M-02-08X	MC44300-10F	2/10/2016	Dissolved As, Fe, Mn	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and one (1) field duplicate sample collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/10/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-10X (Lab Sample ID: MC44300-2) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The %R and calculated RPDs for target analytes were within control

limits.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Field Duplicate – Sample G6M-04-02X (Lab Sample ID: MC44300-5F) and DUP-2 (Lab Sample ID: MS44300-6F) were field duplicate samples. Detected results for all analytes were comparable with RPDs less than 15%.

Client Sample ID:		**G6M-04-02X**	**DUP-2**	
Lab Sample ID:		**MC44300-5F**	**MC44300-6F**	**RPD**
Arsenic	ug/l	232	217	6.7
Iron	ug/l	75100	74500	12
Manganese	ug/l	11300	11500	1.7

Qualification: None required.

Compound Quantitation – Several samples were analyzed at varying dilutions due to high levels of target analytes. Both diluted and undiluted results have been reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analytes	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-04-15X_FAL15	MC42178-1F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-04-13X_FAL15	MC42178-2F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-95-19X_FAL15	MC42178-3F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-96-22B_FAL15	MC42178-4F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-96-22A_FAL15	MC42178-5F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-04-01X_FAL15	MC42178-6F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-04-03X_FAL15	MC42178-7F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-03-07X_FAL15	MC42178-8F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-DUP1_FAL15	MC42178-10F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-13-06X_FAL15	MC42178-11F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-04-09X_FAL15	MC42178-12F	Dissolved As, Fe, Mn	No qualifications needed.			

Wet Chemistry
Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44300
Laboratory: SGS-Accutest New England	Date: 2/29/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-13-06X	MC44300-1	2/9/2016	Miscellaneous Parameters	Groundwater
G6M-04-10X	MC44300-2	2/9/2016	Miscellaneous Parameters	Groundwater
G6M-93-13X	MC44300-3	2/9/2016	Miscellaneous Parameters	Groundwater
G6M-13-05X	MC44300-4	2/10/2016	Miscellaneous Parameters	Groundwater
G6M-04-02X	MC44300-5	2/10/2016	Miscellaneous Parameters	Groundwater
DUP-2	MC44300-6	2/10/2016	Miscellaneous Parameters	Groundwater
MW-3	MC44300-7	2/10/2016	Miscellaneous Parameters	Groundwater
G6M-03-07X	MC44300-9	2/10/2016	Miscellaneous Parameters	Groundwater
G6M-02-08X	MC44300-10	2/10/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and one (1) field duplicate sample submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/10/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, nitrate/nitrite, sulfide and TOC were free from contamination. Sulfate was reported at 0.49 mg/L in the MB analyzed with the samples on 2/17/2016. The results for sulfate less than five times the MB level (2.45 mg/L) were qualified as non-detect.

Qualification: The results for sulfate in samples MC44300-1, -4, -7 and -9 were qualified as ND at the reporting limit.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-10X (lab sample ID: MC44300-2) was spiked and analyzed matrix spike/duplicate samples for all parameters. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Samples G6M-04-02X and DUP2 (Lab Sample IDs: MC44300-5 and -6) were field duplicate samples. The results for sulfide were non-detect in both samples. The results for nitrogen/nitrate, alkalinity, TOC and sulfate were comparable; FD results are summarized in the table below.

Client Sample ID:	G6M-04-02X	DUP-2	
Lab Sample ID:	MC44300-5	MC44300-6	
Date Sampled:	2/10/2016	2/10/2016	
	Result (mg/L)	**Result (mg/L)**	**RPD (%)**
Nitrogen, Nitrate	0.11	0.11	0
Alkalinity, Total as CaCO3	118	118	0
Total Organic Carbon	2.1	2.1	0
Sulfate	10.1	10.4	2.9

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
G6M-13-06X	MC44300-1	Sulfate	0.77	J	10	U
G6M-04-10X	MC44300-2	Miscellaneous Parameters	No qualifications required.			
G6M-93-13X	MC44300-3	Miscellaneous Parameters	No qualifications required.			
G6M-13-05X	MC44300-4	Sulfate	2.2	J	10	U
G6M-04-02X	MC44300-5	Miscellaneous Parameters	No qualifications required.			
DUP-2	MC44300-6	Miscellaneous Parameters	No qualifications required.			
MW-3	MC44300-7	Sulfate	2	J	10	U
G6M-03-07X	MC44300-9	Miscellaneous Parameters	No qualifications required.			
G6M-02-08X	MC44300-10	Sulfate	0.72	J	10	U

Client Sample ID:		G6M-13-06X		G6M-04-10X		G6M-93-13X		G6M-13-05X		G6M-04-02X		DUP-2		MW-3		G6M-03-07X		G6M-02-08X		TRIP BLANK	
Lab Sample ID:		MC44300-1		MC44300-2		MC44300-3		MC44300-4		MC44300-5		MC44300-6		MC44300-7		MC44300-9		MC44300-10		MC44300-8	
Date Sampled:		02/09/2016		02/09/2016		02/09/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016	
GC/MS Volatiles (8260B)																					
Acetone	ug/l	25	U	25	U	25	U	250	U	50	U	25	U	25	U	25	U	**167**		25	U
Benzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
2-Butanone (MEK)	ug/l	5.0	U	5.0	U	5.0	U	50	U	10	U	5.0	U	5.0	U	5.0	U	**646**		5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U	5.0	U	50	U	10	U	5.0	U	5.0	U	5.0	U	10	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	**2.0**		1.0	U	1.0	U	**24.2**		**12.3**		**16.0**		**1.0**		1.0	U	**49.0**		1.0	U
trans-1,2-Dichloroethylene	ug/l	**0.80**	**J**	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	**1.8**		2.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
2,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,1-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U	10	U	100	U	20	U	10	U	10	U	10	U	**31.2**		10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U

Client Sample ID:		G6M-13-06X		G6M-04-10X		G6M-93-13X		G6M-13-05X		G6M-04-02X		DUP-2		MW-3		G6M-03-07X		G6M-02-08X		TRIP BLANK	
Lab Sample ID:		MC44300-1		MC44300-2		MC44300-3		MC44300-4		MC44300-5		MC44300-6		MC44300-7		MC44300-9		MC44300-10		MC44300-8	
Date Sampled:		02/09/2016		02/09/2016		02/09/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016		02/10/2016	
Methylene Bromide	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U	5.0	U	50	U	10	U	5.0	U	5.0	U	5.0	U	10	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U	5.0	U	50	U	10	U	5.0	U	5.0	U	5.0	U	10	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U	5.0	U	50	U	10	U	5.0	U	5.0	U	5.0	U	10	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Tetrachloroethylene	ug/l	1.0	U	**2.3**		1.0	U	**770**		**333**		**296**		1.0	U	1.0	U	**2.9**		1.0	U
Toluene	ug/l	**2.8**		1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	**144**		1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Trichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	**5.2**	**J**	**60.2**	**J**	**83.4**	**J**	1.0	U	1.0	U	2.0	U	1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	**6.0**	**J**	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Vinyl Acetate	ug/l	10	U	10	U	10	U	100	U	20	U	10	U	10	U	10	U	20	U	10	U
Vinyl Chloride	ug/l	**4.6**		1.0	U	1.0	U	10	U	**1.5**	**J**	**2.2**	**J**	**0.88**	**J**	**0.78**	**J**	**4.7**		1.0	U
m,p-Xylene	ug/l	2.0	U	2.0	U	2.0	U	20	U	4.0	U	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
o-Xylene	ug/l	1.0	U	1.0	U	1.0	U	10	U	2.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
Xylene (total)	ug/l	3.0	U	3.0	U	3.0	U	30	U	6.0	U	3.0	U	3.0	U	3.0	U	6.0	U	3.0	U
GC Volatiles (RSK-175)																					
Methane	ug/l	**14500**		**6.9**	**J**	10	U	10	U	**4410**	**J**	**7920**	**J**	**7260**		**12800**		**14500**			
Ethane	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Ethene	ug/l	**31.7**		10	U	10	U	10	U	10	U	10	U	10	U	**5.0**	**J**	10	U		
Dissolved Metals Analysis																					
Arsenic	ug/l	536		4.0	U	4.0	U	4.0	U	118		116		423		461		272			
Iron	ug/l	226000		52.6	J	100	U	100	U	28300		28100		49000		96700		1150000			
Manganese	ug/l	12000		274		12.4	J	199		8730		8670		12000		1360		12100			
Miscellaneous Parameters																					
Nitrogen, Nitrate	mg/l	0.17		0.91		0.11	U	1.4		0.11		0.11		0.094	J	0.18		0.10	J		
Nitrogen, Nitrate + Nitrite	mg/l	0.17		0.91		0.056	J	1.4		0.11		0.11		0.094	J	0.18		0.11			
Nitrogen, Nitrite	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.0055	J		
Alkalinity, Total as CaCO3	mg/l	409		7.1		85.7		25.0		118		118		341		194		879			
Sulfide	mg/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U		
Total Organic Carbon	mg/l	46.0		1.0	U	2.2		1.0	U	2.1		2.1		5.4		24.7		3110			
Sulfate	mg/l	10	U	35.1		73.4		10	U	10.1		10.4		10	U	10	U	5.3	J		

Client Sample ID:	G6M-13-06X	G6M-04-10X	G6M-93-13X	G6M-13-05X	G6M-04-02X	DUP-2	MW-3	G6M-03-07X	G6M-02-08X	TRIP BLANK
Lab Sample ID:	MC44300-1	MC44300-2	MC44300-3	MC44300-4	MC44300-5	MC44300-6	MC44300-7	MC44300-9	MC44300-10	MC44300-8
Date Sampled:	02/09/2016	02/09/2016	02/09/2016	02/10/2016	02/10/2016	02/10/2016	02/10/2016	02/10/2016	02/10/2016	02/10/2016

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
Validated Data

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44325
Laboratory: SGS-Accutest New England	Date: 3/1/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-13-01X	MC44325-1	2/11/2016	VOCs	Groundwater
G6M-03-10X	MC44325-2	2/11/2016	VOCs	Groundwater
G6M-02-11X	MC44325-3	2/11/2016	VOCs	Groundwater
G6M-13-04X	MC44325-4	2/11/2016	VOCs	Groundwater
G6M-97-05BX	MC44325-5	2/11/2016	VOCs	Groundwater
DUP-3	MC44325-7	2/11/2016	VOCs	Groundwater
TRIP BLANK	MC43325-6	2/11/2016	VOCs	Trip Blank

Summary - Data validation was performed on the data for five (5) groundwater samples, one (1) field duplicate sample and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/11/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5212-BS) analyzed on 2/19/2016 with these samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blank (VJ5212-MB) analyzed on 2/19/2016 with these samples was free of contamination.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44325-6) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Samples G6M-97-05B (Lab Sample ID; MC44325-5) and DUP-3 (Lab Sample ID: MC44325-7) were field duplicate samples submitted with this sample set. Detected sample results were comparable with calculated RPDs less than 30%.

Client Sample ID	G6M-97-05BX	DUP-3	
Lab Sample ID	MC44325-5	MC44325-7	
Date Sampled	2/11/2016	2/11/2016	
	Result (ug/L)	Result (ug/L)	RPD (%)
Carbon Tetrachoride	1.0	1.0 U	0
cis-1,2-Dichloroethylene	3.8	3.7	2.7
Tetrachloroethylene	97.2	87.8	10.2
Trichloroethylene	11.2	10.1	10.3

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-13-01X	MC44325-1	VOCs	No qualifications required.			
G6M-03-10X	MC44325-2	VOCs	No qualifications required.			
G6M-02-11X	MC44325-3	VOCs	No qualifications required.			
G6M-13-04X	MC44325-4	VOCs	No qualifications required.			
G6M-97-05BX	MC44325-5	VOCs	No qualifications required.			
DUP-3	MC44325-7	VOCs	No qualifications required.			
TRIP BLANK	MC43325-6	VOCs	No qualifications required.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44325
Laboratory: SGS-Accutest New England	Date: 3/1/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-13-01X	MC44325-1	2/11/2016	RSK-175	Groundwater
G6M-03-10X	MC44325-2	2/11/2016	RSK-175	Groundwater
G6M-02-11X	MC44325-3	2/11/2016	RSK-175	Groundwater
G6M-13-04X	MC44325-4	2/11/2016	RSK-175	Groundwater
G6M-97-05BX	MC44325-5	2/11/2016	RSK-175	Groundwater
DUP-3	MC44325-7	2/11/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for five (5) groundwater samples and one (1) field duplicate samples submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/11/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1548 on 10/21/15 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-13-04X (lab sample ID: MC44325-4) was spiked and analyzed as matrix spike/duplicate samples. The %R for methane could not be calculated; the spike was less than four times the methane concentration reported in the native sample. The %Rs and RPDs met the control limits for ethane and ethane established by the QAPP.

Qualification: None required.

Method Blank – The method blank (GBA1586-MB) analyzed on 2/12/2016 with the samples in this SDG was free of contamination.

Qualification: None required.

Field Duplicate – Samples G6M-97-05B and DUP-3 (Lab Sample IDs: MC44325-5 and -7) were field duplicate samples. The RSK-175 target compounds were non-detect in both samples.

Qualification: None required.

Compound Quantitation – Samples MC44325-2, -3 and -4 were reanalyzed at dilutions due to high levels of methane. Both diluted and undiluted results were reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-13-01X	MC44325-1	RSK-175	No qualifications required.			
G6M-03-10X	MC44325-2	RSK-175	No qualifications required.			
G6M-02-11X	MC44325-3	RSK-175	No qualifications required.			
G6M-13-04X	MC44325-4	RSK-175	No qualifications required.			
G6M-97-05BX	MC44325-5	RSK-175	No qualifications required.			
DUP-3	MC44325-7	RSK-175	No qualifications required.			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44325
Laboratory: SGS-Accutest New England	Date: 03/01/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analysis	Matrix
G6M-13-01X	MC44325-1F	2/11/2016	Dissolved As, Fe, Mn	Groundwater
G6M-03-10X	MC44325-2F	2/11/2016	Dissolved As, Fe, Mn	Groundwater
G6M-02-11X	MC44325-3F	2/11/2016	Dissolved As, Fe, Mn	Groundwater
G6M-13-04X	MC44325-4F	2/11/2016	Dissolved As, Fe, Mn	Groundwater
G6M-9705BX	MC44325-5F	2/11/2016	Dissolved As, Fe, Mn	Groundwater
DUP-3	MC44325-7F	2/11/2016	Dissolved As, Fe, Mn	Groundwater

Smary - Data validation was performed on the data for five (5) groundwater samples and one (1) field duplicate sample collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/11/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all

target analytes.

Qualification: None required.

Field Duplicate – Sample G6M-97-05B (Lab Sample ID: MC44325-5F) and DUP-3 (Lab Sample ID: MS44325-7F) were field duplicate samples. The results were non-detect for all target analytes in both samples.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analytes	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-13-01X	MC44325-1F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-03-10X	MC44325-2F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-02-11X	MC44325-3F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-13-04X	MC44325-4F	Dissolved As, Fe, Mn	No qualifications needed.			
G6M-9705BX	MC44325-5F	Dissolved As, Fe, Mn	No qualifications needed.			
DUP-3	MC44325-7F	Dissolved As, Fe, Mn	No qualifications needed.			

Wet Chemistry
Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44325
Laboratory: SGS-Accutest New England	Date: 3/1/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-13-01X	MC44325-1	2/11/2016	Miscellaneous Parameters	Groundwater
G6M-03-10X	MC44325-2	2/11/2016	Miscellaneous Parameters	Groundwater
G6M-02-11X	MC44325-3	2/11/2016	Miscellaneous Parameters	Groundwater
G6M-13-04X	MC44325-4	2/11/2016	Miscellaneous Parameters	Groundwater
G6M-97-05BX	MC44325-5	2/11/2016	Miscellaneous Parameters	Groundwater
DUP-3	MC44325-7	2/11/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for five (5) groundwater samples and one (1) field duplicate sample submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/11/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, nitrate/nitrite, sulfide, sulfate and TOC were free from contamination.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Batch matrix spike samples were analyzed and reported in this SDG. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Samples G6M-97-05B and DUP-3 (Lab Sample IDs: MC44325-5 and -7) were field duplicate samples. The results for sulfide and TOC were non-detect in both samples. The results for nitrogen/nitrate, alkalinity and sulfate were comparable; FD results are summarized in the table below.

Client Sample ID:	G6M-97-05BX		DUP-3		
Lab Sample ID:	MC44325-5		MC44325-7		
Date Sampled:	2/11/2016		2/11/2016		
General Chemistry	**Result (mg/L)**		**Result (mg/L)**		**RPD (%)**
Nitrogen, Nitrate	1.0		1.0		0
Alkalinity, Total as CaCO3	29.3		28.2		3.8
Sulfate	7.8	J	7.8	J	0

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-13-01X	MC44325-1	Miscellaneous Parameters	No qualifications required			
G6M-03-10X	MC44325-2	Miscellaneous Parameters	No qualifications required			
G6M-02-11X	MC44325-3	Miscellaneous Parameters	No qualifications required			
G6M-13-04X	MC44325-4	Miscellaneous Parameters	No qualifications required			
G6M-97-05BX	MC44325-5	Miscellaneous Parameters	No qualifications required			
DUP-3	MC44325-7	Miscellaneous Parameters	No qualifications required			

Client Sample ID:		G6M-13-01X		G6M-03-10X		G6M-02-11X		G6M-13-04X		G6M-97-05BX		DUP-3		TRIP BLANK	
Lab Sample ID:		MC44325-1		MC44325-2		MC44325-3		MC44325-4		MC44325-5		MC44325-7		MC44325-6	
Date Sampled:		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016	
GC/MS Volatiles															
Acetone	ug/l	25	U	25	U	25	U	25	U	25	U	25	U	25	U
Benzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	**1.0**		1.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U	0.64	J	3.7	J	2.0	U	2.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	**1.6**		1.0	U	1.0	U	**15.0**		**3.8**		**3.7**		1.0	U
trans-1,2-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.5		1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Client Sample ID:		G6M-13-01X		G6M-03-10X		G6M-02-11X		G6M-13-04X		G6M-97-05BX		DUP-3		TRIP BLANK	
Lab Sample ID:		MC44325-1		MC44325-2		MC44325-3		MC44325-4		MC44325-5		MC44325-7		MC44325-6	
Date Sampled:		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016	
1,1-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethylene	ug/l	**10.3**		1.0	U	1.0	U	**0.70**	**J**	**97.2**		**87.8**		1.0	U
Toluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethylene	ug/l	**0.69**	**J**	1.0	U	1.0	U	**5.9**		**11.2**		**10.1**		1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl Acetate	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	ug/l	1.0	U	1.0	U	1.0	U	**50.9**		1.0	U	1.0	U	1.0	U
m,p-Xylene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U

Client Sample ID:		G6M-13-01X		G6M-03-10X		G6M-02-11X		G6M-13-04X		G6M-97-05BX		DUP-3		TRIP BLANK	
Lab Sample ID:		MC44325-1		MC44325-2		MC44325-3		MC44325-4		MC44325-5		MC44325-7		MC44325-6	
Date Sampled:		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016		02/11/2016	
o-Xylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (total)	ug/l	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
GC Volatiles (RSK-175)															
Methane	ug/l	**126**		**7550**		**4980**		**5690**		10	U	10	U	NA	
Ethane	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	NA	
Ethene	ug/l	10	U	10	U	10	U	**18.9**		10	U	10	U	NA	
Dissolved Metals Analysis															
Arsenic	ug/l	4.0	U	**492**		**584**		**392**		4.0	U	4.0	U		
Iron	ug/l	100	U	**72000**		**45900**		**33900**		100	U	100	U		
Manganese	ug/l	**10.3**	**J**	**2370**		**9880**		**7390**		15	U	15	U		
General Chemistry															
Nitrogen, Nitrate	mg/l	0.31		0.11		0.10	J	0.099	J	1.0		1.0			
Nitrogen, Nitrate + Nitrite	mg/l	0.31		0.11		0.10		0.099	J	1.0		1.0			
Nitrogen, Nitrite	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U		
Alkalinity, Total as CaCO3	mg/l	31.5		105		219		261		29.3		28.2			
Sulfide	mg/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U		
Total Organic Carbon	mg/l	1.0	U	3.3		5.1		3.2		1.0	U	1.0	U		
Sulfate	mg/l	16.7		2.0	J	10	U	6.1	J	7.8	J	7.8	J		

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44347
Laboratory: SGS-Accutest New England	Date: 3/01/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-97-28X	MC44347-1	2/12/2016	VOCs	Groundwater
G6M-02-04X	MC44347-2	2/12/2016	VOCs	Groundwater
G6M-02-13X	MC44347-3	2/12/2016	VOCs	Groundwater
DUP-4	MC44347-4	2/12/2016	VOCs	Groundwater
TB	MC44347-5	2/12/2016	VOCs	Trip Blank

Summary - Data validation was performed on the data for three (3) groundwater samples, one (1) field duplicate sample and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/12/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blank (VJ5209-MB) analyzed on 2/16/2016 with these samples was free of contamination.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5209-BS) analyzed on 2/16/2016 with these samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-97-28X (Lab Sample ID: MC44347-1) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs and calculated RPDs were within control limits for all target VOCs.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44347-5) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Samples G6M-02-13X (Lab Sample ID; MC44347-3) and DUP-4 (Lab Sample ID: MC44347-4) were field duplicate samples submitted with this sample set. Detected sample results were comparable with all calculated RPDs less than 30%.

Client Sample ID:	G6M-02-13X	DUP-4	
Lab Sample ID:	MC44347-3	MC44347-4	
Date Sampled:	2/12/2016	2/12/2016	
	Result (ug/L)	Result (ug/L)	RPD (%)
cis-1,2-Dichloroethylene	**13.2**	**11.7**	**12.0**
trans-1,2-Dichloroethylene	**0.51**	1.0 U	
Tetrachloroethylene	**4.5**	**4.1**	**9.3**
Trichloroethylene	**13.7**	**12.1**	**12.4**
Vinyl Chloride	**7.7**	**7.0**	**9.5**

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	**Analyses**	**Lab Value**	**Lab Qualifier**	**Validated Value**	**Validation Qualifier**
G6M-97-28X	MC44347-1	VOCs	No qualifications required			
G6M-02-04X	MC44347-2	VOCs	No qualifications required			
G6M-02-13X	MC44347-3	VOCs	No qualifications required			
DUP-4	MC44347-4	VOCs	No qualifications required			
TB	MC44347-5	VOCs	No qualifications required			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44347
Laboratory: SGS-Accutest New England	Date: 03/01/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-97-28X	MC44347-1	2/12/2016	RSK-175	Groundwater
G6M-02-04X	MC44347-2	2/12/2016	RSK-175	Groundwater
G6M-02-13X	MC44347-3	2/12/2016	RSK-175	Groundwater
DUP-4	MC44347-4	2/12/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) field duplicate samples submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/12/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1547 on 2/15/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-97-28X (lab sample ID: MC44347-1) was spiked and analyzed as matrix spike/duplicate samples. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Samples G6M-12-13X and DUP-4 (Lab Sample IDs: MC44347-3 and -4) were field duplicate samples. Ethane and ethene were non-detect in both samples. The result for methane was 500 µg/L in sample MC44347-3 and 580 µg/L in sample MC44347-4, with a calculated RPD of 14.8%.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	**Analyses**	**Lab Value**	**Lab Qualifier**	**Validated Value**	**Validation Qualifier**
G6M-97-28X	MC44347-1	RSK-175	No qualifications required			
G6M-02-04X	MC44347-2	RSK-175	No qualifications required			
G6M-02-13X	MC44347-3	RSK-175	No qualifications required			
DUP-4	MC44347-4	RSK-175	No qualifications required			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44347
Laboratory: SGS-Accutest New England	Date: 3/01/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analysis	Matrix
G6M-97-28X	MC44347-1F	2/12/2016	Dissolved As, Fe, Mn	Groundwater
G6M-02-04X	MC44347-2F	2/12/2016	Dissolved As, Fe, Mn	Groundwater
G6M-02-13X	MC44347-3F	2/12/2016	Dissolved As, Fe, Mn	Groundwater
DUP-4	MC44347-4F	2/12/2016	Dissolved As, Fe, Mn	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) field duplicate sample collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/12/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-97-28X (Lab Sample ID: MC44347-1) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The %R and calculated RPDs for target analytes were within

control limits.

Qualification: None required.

Field Duplicate – Sample G6M-02-13X (Lab Sample ID: MC44347-3F) and DUP-4 (Lab Sample ID: MS44347-4F) were field duplicate samples. Detected results for all analytes were comparable with RPDs less than 15%.

Client Sample ID:	G6M-02-13X	DUP-4	
Lab Sample ID:	MC44347-3F	MC44347-4F	
Date Sampled:	2/12/2016	2/12/2016	
Dissolved Metals Analysis	**Result (ug/L)**	**Result (ug/L)**	**RPD (%)**
Arsenic	145	146	0.7
Iron	10,200	10,200	0
Manganese	11,100	11,100	0

Qualification: None required.

Compound Quantitation – Several samples were analyzed at varying dilutions due to high levels of target analytes. Both diluted and undiluted results have been reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analysis	**Lab Value**	**Lab Qualifier**	**Validated Value**	**Validation Qualifier**
G6M-97-28X	MC44347-1F	Dissolved As, Fe, Mn	No qualifications required.			
G6M-02-04X	MC44347-2F	Dissolved As, Fe, Mn	No qualifications required.			
G6M-02-13X	MC44347-3F	Dissolved As, Fe, Mn	No qualifications required.			
DUP-4	MC44347-4F	Dissolved As, Fe, Mn	No qualifications required.			

Wet Chemistry
Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44347
Laboratory: SGS-Accutest New England	Date: 3/1/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-97-28X	MC44347-1	2/12/2016	Miscellaneous Parameters	Groundwater
G6M-02-04X	MC44347-2	2/12/2016	Miscellaneous Parameters	Groundwater
G6M-02-13X	MC44347-3	2/12/2016	Miscellaneous Parameters	Groundwater
DUP-4	MC44347-4	2/12/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) field duplicate sample submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/12/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, nitrate/nitrite, sulfide and TOC were free from contamination. Sulfate was reported at 0.49 mg/L in the MB analyzed with the samples on 2/18/2016. The results for sulfate less than five times the MB level (2.45 mg/L) were qualified as non-detect.

Qualification: The results for sulfate in samples MC44347-3 and -4 were qualified as non-detect (ND) at the reporting limit.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-97-28X (lab sample ID: MC44347-1) was spiked and analyzed matrix spike/duplicate samples for all parameters. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Samples G6M-02-13X and DUP-4 (Lab Sample IDs: MC44347-3 and -4) were field duplicate samples. The results for sulfate and sulfide were non-detect in both samples. The results for nitrogen/nitrate, alkalinity and TOC were comparable; FD results are summarized in the table below.

Client Sample ID	G6M-02-13X	DUP-4	
Lab Sample ID	MC44347-3	MC44347-4	
Date Sampled	2/12/2016	2/12/2016	
	Result (mg/L)	**Result (mg/L)**	**RPD (%)**
Nitrogen, Nitrate	0.11	0.082	29.1
Alkalinity, Total as CaCO3	252	248	1.6
Total Organic Carbon	2.1	2.2	4.7

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the noted qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
G6M-97-28X	MC44347-1	Miscellaneous Parameters	No qualifications required			
G6M-02-04X	MC44347-2	Miscellaneous Parameters	No qualifications required			
G6M-02-13X	MC44347-3	Sulfate	0.81	J	10	U
DUP-4	MC44347-4	Sulfate	0.83	J	10	U

Client Sample ID:		G6M-97-28X		G6M-02-04X		G6M-02-13X		DUP-4		TB	
Lab Sample ID:		MC44347-1		MC44347-2		MC44347-3		MC44347-4		MC44347-5	
Date Sampled:		02/12/2016		02/12/2016		02/12/2016		02/12/2016		02/12/2016	
GC/MS Volatiles											
Acetone	ug/l	25	U	25	U	25	U	25	U	25	U
Benzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	**1.4**		1.0	U	**13.2**		**11.7**		1.0	U
trans-1,2-Dichloroethylene	ug/l	1.0	U	1.0	U	**0.51**	**J**	1.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Client Sample ID:		G6M-97-28X		G6M-02-04X		G6M-02-13X		DUP-4		TB	
Lab Sample ID:		MC44347-1		MC44347-2		MC44347-3		MC44347-4		MC44347-5	
Date Sampled:		02/12/2016		02/12/2016		02/12/2016		02/12/2016		02/12/2016	
2,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethylene	ug/l	1.0	U	1.0	U	**4.5**		**4.1**		1.0	U
Toluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethylene	ug/l	**1.1**		1.0	U	**13.7**		**12.1**		1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl Acetate	ug/l	10	U	10	U	10	U	10	U	10	U

Client Sample ID:		G6M-97-28X		G6M-02-04X		G6M-02-13X		DUP-4		TB	
Lab Sample ID:		MC44347-1		MC44347-2		MC44347-3		MC44347-4		MC44347-5	
Date Sampled:		02/12/2016		02/12/2016		02/12/2016		02/12/2016		02/12/2016	
Vinyl Chloride	ug/l	**0.53**	**J**	1.0	U	**7.7**		**7.0**		1.0	U
m,p-Xylene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
o-Xylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (total)	ug/l	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
GC Volatiles (RSK-175)											
Methane	ug/l	**235**		**964**		**500**		**580**			
Ethane	ug/l	10	U	10	U	10	U	10	U		
Ethene	ug/l	10	U	10	U	10	U	5.1	J		
Dissolved Metals Analysis											
Arsenic	ug/l	**47.9**		**353**		**145**		**146**			
Iron	ug/l	**2490**		**22000**		**10200**		**10200**			
Manganese	ug/l	**5690**		**1370**		**11100**		**11100**			
General Chemistry											
Nitrogen, Nitrate	mg/l	0.085	J	0.12		0.11		0.082	J		
Nitrogen, Nitrate + Nitrite	mg/l	0.085	J	0.12		0.11		0.082	J		
Nitrogen, Nitrite	mg/l	0.010	U	0.010	U	0.010	U	0.010	U		
Alkalinity, Total as CaCO3	mg/l	111		42.3		252		248			
Sulfide	mg/l	2.0	U	2.0	U	2.0	U	2.0	U		
Total Organic Carbon	mg/l	1.6		1.1		2.1		2.2			
Sulfate	mg/l	4.2	J	8.0	J	10	U	10	U		

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
Validated Data

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44440
Laboratory: SGS-Accutest New England	Date: 3/07/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID:	Lab Sample ID:	Date Sampled:	Analyses	Matrix
G6M-04-01X	MC44440-1	2/18/2016	VOCs	Groundwater
G6M-02-01X	MC44440-2	2/18/2016	VOCs	Groundwater
G6M-04-03X	MC44440-3	2/18/2016	VOCs	Groundwater
DUP-1	MC44440-4	2/18/2016	VOCs	Groundwater
TB	MC44440-5	2/18/2016	VOCs	Trip Blank

Summary - Data validation was performed on the data for three (3) groundwater samples, one (1) field duplicate sample and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/18/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blank (VJ5218-MB) analyzed on 2/26/2016 with these samples was free of contamination.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5218-BS) analyzed on 2/26/2016 with these

samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/ matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD %Rs and RPD were within control limits for all target VOCs.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44440-5) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Samples G6M-04-03X (Lab Sample ID; MC44440-3) and DUP-1 (Lab Sample ID: MC44440-4) were field duplicate samples submitted with this sample set. Detected sample results were comparable with all calculated RPDs less than 10%.

Client Sample ID:	G6M-04-03X	DUP-1	
Lab Sample ID:	MC44440-3	MC44440-4	
Date Sampled:	2/18/2016	2/18/2016	
	Result (ug/L)	**Result (ug/L)**	**RPD (%)**
cis-1,2-Dichloroethylene	**25.3**	**24.7**	2.4
Tetrachloroethylene	**0.6**	**0.6**	0
Trichloroethylene	**0.59**	**0.61**	3.3
Vinyl Chloride	**7.3**	**6.9**	5.6

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID:	Lab Sample ID:	**Analyses**	**Lab Value**	**Lab Qualifier**	**Validated Value**	**Validation Qualifier**
G6M-04-01X	MC44440-1	VOCs	No qualifications required.			
G6M-02-01X	MC44440-2	VOCs	No qualifications required.			
G6M-04-03X	MC44440-3	VOCs	No qualifications required.			
DUP-1	MC44440-4	VOCs	No qualifications required.			
TB	MC44440-5	VOCs	No qualifications required.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44440
Laboratory: SGS-Accutest New England	Date: 03/09/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID:	Lab Sample ID:	Date Sampled:	Analyses	Matrix
G6M-04-01X	MC44440-1	2/18/2016	RSK-175	Groundwater
G6M-02-01X	MC44440-2	2/18/2016	RSK-175	Groundwater
G6M-04-03X	MC44440-3	2/18/2016	RSK-175	Groundwater
DUP-1	MC44440-4	2/18/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) field duplicate samples submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/18/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1590 on 2/19/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Samples G6M-04-03X and DUP-1 (Lab Sample IDs: MC44440-3 and -4) were field duplicate samples. The results for ethane and ethene were non-detect in both samples. The results for methane were 12,500 µg/L in sample MC44440-3 and 12,800 µg/L in sample MC44440-4, with a calculated RPD of 0.8%.

Qualification: None required.

Compound Quantitation – Dilutions were required in all samples due to high levels of methane. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	**Analyses**	**Lab Value**	**Lab Qualifier**	**Validated Value**	**Validation Qualifier**
G6M-04-01X	MC44440-1	RSK-175	No qualifications required			
G6M-02-01X	MC44440-2	RSK-175	No qualifications required			
G6M-04-03X	MC44440-3	RSK-175	No qualifications required			
DUP-1	MC44440-4	RSK-175	No qualifications required			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44440
Laboratory: SGS-Accutest New England	Date: 3/08/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID:	Lab Sample ID:	Date Sampled:	Analyses	Matrix
G6M-04-01X	MC44440-1F	2/18/2016	Dissolved As, Fe, Mn	Groundwater
G6M-02-01X	MC44440-2F	2/18/2016	Dissolved As, Fe, Mn	Groundwater
G6M-04-03X	MC44440-3F	2/18/2016	Dissolved As, Fe, Mn	Groundwater
DUP-1	MC44440-4F	2/18/2016	Dissolved As, Fe, Mn	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) field duplicate sample collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/18/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-01X (Lab Sample ID: MC44440-1) was spiked and analyzed as matrix

spike/matrix spike duplicate samples. The %R and calculated RPDs for target analytes were within control limits.

Qualification: None required.

Field Duplicate – Sample G6M-04-03X (Lab Sample ID: MC44440-3F) and DUP-1 (Lab Sample ID: MS44440-4F) were field duplicate samples. Detected results for all analytes were comparable with RPDs less than 10%.

Client Sample ID:	G6M-04-03X	DUP-1	
Lab Sample ID:	MC44440-3F	MC44440-4F	
Date Sampled:	2/18/2016	2/18/2016	
Dissolved Metals Analysis	**Result (ug/L)**	**Result (ug/L)**	**RPD (%)**
Arsenic	673	670	0.45
Iron	97,000	96,900	010
Manganese	15,200	15,000	1.32

Qualification: None required.

Compound Quantitation – Several samples were analyzed at varying dilutions due to high levels of target analytes. Both diluted and undiluted results have been reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analysis	**Lab Value**	**Lab Qualifier**	**Validated Value**	**Validation Qualifier**
G6M-04-01X	MC44440-1F	Dissolved As, Fe, Mn	No qualifications required.			
G6M-02-01X	MC44440-2F	Dissolved As, Fe, Mn	No qualifications required.			
G6M-04-03X	MC44440-3F	Dissolved As, Fe, Mn	No qualifications required.			
DUP-1	MC44440-4F	Dissolved As, Fe, Mn	No qualifications required.			

Wet Chemistry

Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)

USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44440
Laboratory: SGS-Accutest New England	Date: 3/8/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID:	Lab Sample ID:	Date Sampled:	Analyses	Matrix
G6M-04-01X	MC44440-1	2/18/2016	Miscellaneous Parameters	Groundwater
G6M-02-01X	MC44440-2	2/18/2016	Miscellaneous Parameters	Groundwater
G6M-04-03X	MC44440-3	2/18/2016	Miscellaneous Parameters	Groundwater
DUP-1	MC44440-4	2/18/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) field duplicate sample submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/18/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, sulfate, sulfide and TOC were free from contamination. Nitrate/nitrite was reported at 0.048 mg/L in the MB analyzed with the samples on 2/25/2016. The results for less than five times the MB level (0.24 mg/L) were qualified as non-detect.

Qualification: The results for nitrate/nitrite in all samples were qualified as non-detect (ND) at the reporting limit.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Batch matrix spike samples were analyzed and reported in this SDG. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Samples G6M-04-03X and DUP-1 (Lab Sample IDs: MC44440-3 and -4) were field duplicate samples. The results for nitrate and sulfide were non-detect in both samples. The results for sulfate, alkalinity and TOC were comparable; FD results are summarized in the table below.

Client Sample ID	G6M-04-03X	DUP-1	
Lab Sample ID	MC44440-3	MC44440-4	
Date Sampled	2/18/2016	2/18/2016	
	Result (mg/L)	**Result (mg/L)**	**RPD (%)**
Sulfate	1.2 J	1.4 J	15.4
Alkalinity, Total as CaCO3	456	406	11.6
Total Organic Carbon	8.1	8.2	1.2

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the noted qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
G6M-97-28X	MC44347-1	Nitrate/nitrite	0.10		0.10	U
G6M-02-04X	MC44347-2	Nitrate/nitrite	0.10		0.10	U
G6M-02-13X	MC44347-3	Nitrate/nitrite	0.087	J	0.10	U
DUP-4	MC44347-4	Nitrate/nitrite	0.10		0.10	U

Client Sample ID:		G6M-04-01X		G6M-02-01X		G6M-04-03X		DUP-1		TB	
Lab Sample ID:		MC44440-1		MC44440-2		MC44440-3		MC44440-4		MC44440-5	
Date Sampled:		02/18/2016		02/18/2016		02/18/2016		02/18/2016		02/18/2016	
GC/MS Volatiles											
Acetone	ug/l	25	U	25	U	25	U	25	U	25	U
Benzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	ug/l	**7.9**		**9.7**		5.0	U	5.0	U	5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	1.0	U	**0.89**	**J**	**25.3**		**24.7**		1.0	U
trans-1,2-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Client Sample ID:		G6M-04-01X		G6M-02-01X		G6M-04-03X		DUP-1		TB	
Lab Sample ID:		MC44440-1		MC44440-2		MC44440-3		MC44440-4		MC44440-5	
Date Sampled:		02/18/2016		02/18/2016		02/18/2016		02/18/2016		02/18/2016	
2,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethylene	ug/l	1.0	U	1.0	U	**0.60**	**J**	**0.60**	**J**	1.0	U
Toluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethylene	ug/l	1.0	U	1.0	U	**0.59**	**J**	**0.61**	**J**	1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl Acetate	ug/l	10	U	10	U	10	U	10	U	10	U

Client Sample ID:		G6M-04-01X		G6M-02-01X		G6M-04-03X		DUP-1		TB	
Lab Sample ID:		MC44440-1		MC44440-2		MC44440-3		MC44440-4		MC44440-5	
Date Sampled:		02/18/2016		02/18/2016		02/18/2016		02/18/2016		02/18/2016	
Vinyl Chloride	ug/l	1.0	U	**0.53**	**J**	**7.3**		**6.9**		1.0	U
m,p-Xylene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
o-Xylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (total)	ug/l	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
GC Volatiles (RSK-175)											
Methane	ug/l	**7060**		**12500**		**12500**		**12800**		0.2	
Ethane	ug/l	10	U	10	U	10	U	10	U		
Ethene	ug/l	10	U	10	U	10	U	10	U		
Dissolved Metals Analysis											
Arsenic	ug/l	75.5		347		673		670			
Iron	ug/l	16400		52500		97000		96900			
Manganese	ug/l	7460		2420		15200		15000			
General Chemistry											
Nitrogen, Nitrate	mg/l	0.082	J	0.10	J	0.099	J	0.097	J		
Nitrogen, Nitrate + Nitrite	mg/l	0.10	U	0.10	U	0.10	U	0.10	U		
Nitrogen, Nitrite	mg/l	0.0048	J	0.010	U	0.010	U	0.010	U		
Alkalinity, Total as CaCO3	mg/l	**411**		**155**		**456**		**406**		11.6	
Sulfide	mg/l	2.0	U	2.0	U	2.0	U	2.0	U		
Total Organic Carbon	mg/l	**11.8**		**6.8**		**8.1**		**8.2**		1.2	
Sulfate	mg/l	**13.8**		**1.5**	**J**	**1.2**	**J**	**1.4**	**J**	15.4	

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
Validated Data

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44457
Laboratory: SGS-Accutest New England	Date: 3/07/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-04-04X	MC44457-1	2/19/2016	VOCs	Groundwater
G6M-03-09X	MC44457-2	2/19/2016	VOCs	Groundwater
G6M-04-09X	MC44457-3	2/19/2016	VOCs	Groundwater
TRIP BLANK	MC44457-4	2/19/2016	VOCs	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/19/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blank (VJ5218-MB) analyzed on 2/26/2016 with these samples was free of contamination.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5218-BS) analyzed on 2/26/2016 with these samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/ matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD %Rs and RPD were within control limits for all target VOCs.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44457-4) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-04-04X	MC44457-1	VOCs	No qualifications required.			
G6M-03-09X	MC44457-2	VOCs	No qualifications required.			
G6M-04-09X	MC44457-3	VOCs	No qualifications required.			
TRIP BLANK	MC44457-4	VOCs	No qualifications required.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44457
Laboratory: SGS-Accutest New England	Date: 03/09/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-04-04X	MC44457-1	2/19/2016	RSK-175	Groundwater
G6M-03-09X	MC44457-2	2/19/2016	RSK-175	Groundwater
G6M-04-09X	MC44457-3	2/19/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/19/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1591 on 2/22/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Dilutions were required for samples MC44457-1 and -3 due to high levels of methane. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-04-04X	MC44457-1	RSK-175	No qualifications required.			
G6M-03-09X	MC44457-2	RSK-175	No qualifications required.			
G6M-04-09X	MC44457-3	RSK-175	No qualifications required.			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44457
Laboratory: SGS-Accutest New England	Date: 3/08/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-04-04X	MC44457-1F	2/19/2016	Dissolved As, Fe, Mn	Groundwater
G6M-03-09X	MC44457-2F	2/19/2016	Dissolved As, Fe, Mn	Groundwater
G6M-04-09X	MC44457-3F	2/19/2016	Dissolved As, Fe, Mn	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/19/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD were reported; the %Rs and calculated RPDs for target analytes were within control limits.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Samples MC44457-1F and -3F were analyzed at varying dilutions due to high levels of target analytes. Both diluted and undiluted results have been reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-04-04X	MC44457-1	Dissolved As, Fe, Mn	No qualifications required.			
G6M-03-09X	MC44457-2	Dissolved As, Fe, Mn	No qualifications required.			
G6M-04-09X	MC44457-3	Dissolved As, Fe, Mn	No qualifications required.			

Wet Chemistry

Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)

USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44457
Laboratory: SGS-Accutest New England	Date: 3/8/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-04-04X	MC44457-1	2/19/2016	Miscellaneous Parameters	Groundwater
G6M-03-09X	MC44457-2	2/19/2016	Miscellaneous Parameters	Groundwater
G6M-04-09X	MC44457-3	2/19/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/19/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, nitrate/nitrite, sulfide and TOC were free from contamination. Nitrate/nitrite was reported at 0.048 mg/L in the MB analyzed with the samples on 2/25/2016. Results less than five times the MB level (0.24 mg/L) were qualified as non-detect.

Qualification: The results for nitrate/nitrite in samples MC44457-1 and -2 were qualified as non-detect (ND) at the reporting limit.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Batch matrix spike samples were analyzed and reported in this SDG. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the noted qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
G6M-04-04X	MC44457-1	Nitrate/nitrite	0.19		0.19	U
G6M-03-09X	MC44457-2	Nitrate/nitrite	0.1		0.1	U
G6M-04-09X	MC44457-3	Miscellaneous Parameters	No qualifications required.			

Client Sample ID:		G6M-04-04X		G6M-03-09X		G6M-04-09X		TRIP BLANK	
Lab Sample ID:		MC44457-1		MC44457-2		MC44457-3		MC44457-4	
Date Sampled:		02/19/2016		02/19/2016		02/19/2016		02/19/2016	
GC/MS Volatiles									
Acetone	ug/l	25	U	25	U	25	U	25	U
Benzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	0.50	J	1.0	U	0.55	J	1.0	U
trans-1,2-Dichloroethylene	ug/l	2.8		1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U

Client Sample ID:		G6M-04-04X		G6M-03-09X		G6M-04-09X		TRIP BLANK	
Lab Sample ID:		MC44457-1		MC44457-2		MC44457-3		MC44457-4	
Date Sampled:		02/19/2016		02/19/2016		02/19/2016		02/19/2016	
2,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U	10	U	10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	ug/l	1.0	U	1.0	U	0.58	J	1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	1.0	U	1.0	U	0.83	J	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U	0.50	J	1.0	U
Vinyl Acetate	ug/l	10	U	10	U	10	U	10	U

Client Sample ID:		G6M-04-04X		G6M-03-09X		G6M-04-09X		TRIP BLANK	
Lab Sample ID:		MC44457-1		MC44457-2		MC44457-3		MC44457-4	
Date Sampled:		02/19/2016		02/19/2016		02/19/2016		02/19/2016	
Vinyl Chloride	ug/l	1.0		1.0	U	1.0	U	1.0	U
m,p-Xylene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
o-Xylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (total)	ug/l	3.0	U	3.0	U	3.0	U	3.0	U
GC Volatiles (RSK-175)									
Methane	ug/l	13900		270		16700			
Ethane	ug/l	10	U	14.1		10	U		
Ethene	ug/l	65.1		6.4	J	10	U		
Dissolved Metals Analysis									
Arsenic	ug/l	550		4.0	U	514			
Iron	ug/l	114000		100	U	202000			
Manganese	ug/l	9760		99.5		3600			
General Chemistry									
Nitrogen, Nitrate	mg/l	0.10	J	0.19		0.37			
Nitrogen, Nitrate + Nitrite	mg/l	0.10	U	0.19	U	0.37			
Nitrogen, Nitrite	mg/l	0.010	U	0.010	U	0.010	U		
Alkalinity, Total as CaCO3	mg/l	278		36.9		439			
Sulfide	mg/l	2.0	U	2.0	U	2.0	U		
Total Organic Carbon	mg/l	7.3		1.0	U	13.4			
Sulfate	mg/l	1.3	J	10.5		4.5	J		

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
Validated Data

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44478
Laboratory: SGS-Accutest New England	Date: 3/08/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-03-01X	MC44478-1	2/22/2016	VOCs	Groundwater
G6M-13-02X	MC44478-2	2/22/2016	VOCs	Groundwater
G6M-04-05X	MC44478-3	2/22/2016	VOCs	Groundwater
TB	MC44478-4	2/22/2016	VOCs	Trip Blank

Summary - Data validation was performed on the data for three (3) groundwater samples and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/22/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blank (VJ5218-MB) analyzed on 2/26/2016 with these samples was free of contamination.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5218-BS) analyzed on 2/26/2016 with these samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/ matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD %Rs and RPD were within control limits for all target VOCs.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44478-4) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-01X	MC44478-1	VOCs	No qualifications required.			
G6M-13-02X	MC44478-2	VOCs	No qualifications required.			
G6M-04-05X	MC44478-3	VOCs	No qualifications required.			
TB	MC44478-4	VOCs	No qualifications required.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44478
Laboratory: SGS-Accutest New England	Date: 03/09/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-03-01X	MC44478-1	2/22/2016	RSK-175	Groundwater
G6M-13-02X	MC44478-2	2/22/2016	RSK-175	Groundwater
G6M-04-05X	MC44478-3	2/22/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/22/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1593 on 2/23/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Dilutions were required for samples MC44478-1 and -2 due to high levels of methane. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-01X	MC44478-1	RSK-175	No qualifications required.			
G6M-13-02X	MC44478-2	RSK-175	No qualifications required.			
G6M-04-05X	MC44478-3	RSK-175	No qualifications required.			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44478
Laboratory: SGS-Accutest New England	Date: 3/08/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-03-01X	MC44478-1F	2/22/2016	Dissolved As, Fe, Mn	Groundwater
G6M-13-02X	MC44478-2F	2/22/2016	Dissolved As, Fe, Mn	Groundwater
G6M-04-05X	MC44478-3F	2/22/2016	Dissolved As, Fe, Mn	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/22/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD were reported; the %Rs and calculated RPDs for target analytes were within control limits.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Sample MC44478-1F was analyzed at a five times dilution due to a high level of manganese. Both diluted and undiluted results have been reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-01X	MC44478-1	Dissolved As, Fe, Mn	No qualifications required.			
G6M-13-02X	MC44478-2	Dissolved As, Fe, Mn	No qualifications required.			
G6M-04-05X	MC44478-3	Dissolved As, Fe, Mn	No qualifications required.			

Wet Chemistry

Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)

USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44478
Laboratory: SGS-Accutest New England	Date: 3/8/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

lient Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-03-01X	MC44478-1	2/22/2016	Miscellaneous Parameters	Groundwater
G6M-13-02X	MC44478-2	2/22/2016	Miscellaneous Parameters	Groundwater
G6M-04-05X	MC44478-3	2/22/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for three (3) groundwater samples submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/22/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, sulfate, sulfide and TOC were free from contamination. Nitrate/nitrite was reported at 0.048 mg/L in the MB analyzed with the samples on 2/25/2016. Results less than five times the MB level (0.24 mg/L) were qualified as non-detect.

Qualification: The results for nitrate/nitrite in samples MC44478-1 and -3 were qualified as non-detect (ND) at the reporting limit.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Batch matrix spike samples were analyzed and reported in this SDG. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the noted qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
G6M-03-01X	MC44478-1	Nitrate/nitrite	0.077	J	0.11	U
G6M-13-02X	MC44478-2	Miscellaneous Parameters	No qualifications required.			
G6M-04-05X	MC44478-3	Nitrate/nitrite	0.11		0.11	U

Client Sample ID:		G6M-03-01X		G6M-13-02X		G6M-04-05X		TB	
Lab Sample ID:		MC44478-1		MC44478-2		MC44478-3		MC44478-4	
Date Sampled:		02/22/2016		02/22/2016		02/22/2016		02/22/2016	
GC/MS Volatiles									
Acetone	ug/l	25	U	25	U	25	U	25	U
Benzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.1		1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	86.7		21.1		1.0	U	1.0	U
trans-1,2-Dichloroethylene	ug/l	1.9		0.54	J	1.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U

Client Sample ID:		G6M-03-01X		G6M-13-02X		G6M-04-05X		TB	
Lab Sample ID:		MC44478-1		MC44478-2		MC44478-3		MC44478-4	
Date Sampled:		02/22/2016		02/22/2016		02/22/2016		02/22/2016	
2,2-Dichloropropane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U	10	U	10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Bromide	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethylene	ug/l	1.0	U	85.8		1.0	U	1.0	U
Toluene	ug/l	1.4		1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethylene	ug/l	80.5		24.6		1.0	U	1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	0.53	J	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl Acetate	ug/l	10	U	10	U	10	U	10	U

Client Sample ID:		G6M-03-01X		G6M-13-02X		G6M-04-05X		TB	
Lab Sample ID:		MC44478-1		MC44478-2		MC44478-3		MC44478-4	
Date Sampled:		02/22/2016		02/22/2016		02/22/2016		02/22/2016	
Vinyl Chloride	ug/l	50.6		0.65	J	1.0	U	1.0	U
m,p-Xylene	ug/l	1.2	J	2.0	U	2.0	U	2.0	U
o-Xylene	ug/l	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (total)	ug/l	1.7	J	3.0	U	3.0	U	3.0	U
GC Volatiles (RSK-175)									
Methane	ug/l	16300		3560		305			
Ethane	ug/l	10	U	10	U	10	U		
Ethene	ug/l	95.5		10	U	10	U		
Dissolved Metals Analysis									
Arsenic	ug/l	23.5		4.0	U	4.0	U		
Iron	ug/l	20000		100	U	83.8	J		
Manganese	ug/l	6330		21.9		14.0	J		
General Chemistry									
Nitrogen, Nitrate	mg/l	0.077	J	0.28		0.11			
Nitrogen, Nitrate + Nitrite	mg/l	0.11	U	0.28		0.11	U		
Nitrogen, Nitrite	mg/l	0.010	U	0.010	U	0.010	U		
Alkalinity, Total as CaCO3	mg/l	144		56.4		34.7			
Sulfide	mg/l	2.0	U	2.0	U	2.0	U		
Total Organic Carbon	mg/l	6.4		0.81	J	1.0	U		
Sulfate	mg/l	3.4	J	15.9		26.8			

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
Validated Data

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44524
Laboratory: SGS-Accutest New England	Date: 3/09/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-03-08X	MC44524-1	2/24/2016	VOCs	Groundwater
TB	MC44524-2	2/24/2016	VOCs	Trip Blank

Summary - Data validation was performed on the data for one (1) groundwater samples and one (1) trip blank sample submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. SGS-Accutest-New England is not currently DOD certified for VOCs. Samples in this SDG were submitted to SGS-Accutest-Southeast for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/24/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blank (VJ5223-MB) analyzed on 3/2/2016 with these samples was free of contamination.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Laboratory Control Sample – Percent recoveries for the LCS (VJ5223-BS) analyzed on 3/2/2016 with these samples were within %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/ matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD %Rs and RPD were within control limits for all target VOCs.

Qualification: None required.

Field Blanks – Sample TRIP BLANK (Lab Sample ID: MC44524-2) was the trip blank submitted with these samples. Target VOCs were all non-detect.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable as reported with the indicated qualifications. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-08X	MC44524-1	VOCs	No qualifications required.			
TB	MC44424-2	VOCs	No qualifications required.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44524
Laboratory: SGS-Accutest New England	Date: 03/09/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	Analyses	Matrix
G6M-03-08X	MC44524-1	2/24/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for one (1) groundwater sample submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/24/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Laboratory Control Sample – The Laboratory Control Sample reported in analytical batch GBA1594 on 2/26/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blank associated with this sample was free of contamination.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-08X	MC44524-1	RSK-175	No qualifications required.			

Dissolved Metals
SW 846/6010C
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44524
Laboratory: SGS-Accutest New England	Date: 3/09/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

Client Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-03-08X	MC44524-1F	2/24/2016	Dissolved As, Fe, Mn	Groundwater

Summary - Data validation was performed on the data for one (1) groundwater sample collected and submitted for dissolved metals analyses (arsenic, iron and manganese) by Method SW846/6010C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 2/24/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Laboratory Control Sample – The LCS recoveries for the reported target analytes met all %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set. Batch MS/MSD were reported; the %Rs and calculated RPDs for target analytes were within control limits.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported. No qualifications were required and the data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-08X	MC44524-1	Dissolved As, Fe, Mn	No qualifications required.			

Wet Chemistry
Alkalinity (SM2320B), Nitrate/nitrite (E353.2), Sulfate (SW9056A), Sulfide (SM4500 S F) and Total Organic Carbon (TOC) (SW9060)
USEPA Level II Review

Site: Former Fort Devens, MA – AOC 50	SDG #: MC44524
Laboratory: SGS-Accutest New England	Date: 3/8/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes	Project: 1024

lient Sample ID	Lab Sample ID	Date Sampled	**Analyses**	**Matrix**
G6M-03-08X	MC44524-1	2/24/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for one (1) groundwater sample submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for sulfate analyses were shipped to SGS-Accutest Laboratory in Dayton, NJ for sulfate analysis by method SW9056A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 2/22/2016 properly preserved and in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for alkalinity, sulfate, sulfide, nitrate/nitrite and TOC were free from contamination.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all methods associated with these samples met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Batch matrix spike samples were analyzed and reported in this SDG. The %Rs and RPDs met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "RL U." Analyte detections below the RL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Client Sample ID	Lab Sample ID	Analyses	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
G6M-03-08X	MC44524-1	Miscellaneous Parameters	No qualifications required.			

Client Sample ID:		G6M-03-08X		TB	
Lab Sample ID:		MC44524-1		MC44524-2	
Date Sampled:		02/24/2016		02/24/2016	
GC/MS Volatiles					
Acetone	ug/l	25	U	25	U
Benzene	ug/l	1.0	U	1.0	U
Bromobenzene	ug/l	1.0	U	1.0	U
Bromochloromethane	ug/l	1.0	U	1.0	U
Bromodichloromethane	ug/l	1.0	U	1.0	U
Bromoform	ug/l	1.0	U	1.0	U
2-Butanone (MEK)	ug/l	5.0	U	5.0	U
n-Butylbenzene	ug/l	1.0	U	1.0	U
sec-Butylbenzene	ug/l	1.0	U	1.0	U
tert-Butylbenzene	ug/l	1.0	U	1.0	U
Carbon Disulfide	ug/l	2.0	U	2.0	U
Carbon Tetrachloride	ug/l	1.0	U	1.0	U
Chlorobenzene	ug/l	1.0	U	1.0	U
Chloroethane	ug/l	2.0	U	2.0	U
Chloroform	ug/l	1.0	U	1.0	U
o-Chlorotoluene	ug/l	1.0	U	1.0	U
p-Chlorotoluene	ug/l	1.0	U	1.0	U
Dibromochloromethane	ug/l	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	ug/l	5.0	U	5.0	U
1,2-Dibromoethane	ug/l	2.0	U	2.0	U
Dichlorodifluoromethane	ug/l	2.0	U	2.0	U
1,2-Dichlorobenzene	ug/l	1.0	U	1.0	U
1,3-Dichlorobenzene	ug/l	1.0	U	1.0	U
1,4-Dichlorobenzene	ug/l	1.0	U	1.0	U
1,1-Dichloroethane	ug/l	1.0	U	1.0	U
1,2-Dichloroethane	ug/l	1.0	U	1.0	U
1,1-Dichloroethylene	ug/l	1.0	U	1.0	U
cis-1,2-Dichloroethylene	ug/l	**3.0**		1.0	U
trans-1,2-Dichloroethylene	ug/l	1.0	U	1.0	U
1,2-Dichloropropane	ug/l	1.0	U	1.0	U
1,3-Dichloropropane	ug/l	1.0	U	1.0	U

Client Sample ID:		G6M-03-08X		TB	
Lab Sample ID:		MC44524-1		MC44524-2	
Date Sampled:		02/24/2016		02/24/2016	
2,2-Dichloropropane	ug/l	1.0	U	1.0	U
1,1-Dichloropropene	ug/l	1.0	U	1.0	U
cis-1,3-Dichloropropene	ug/l	1.0	U	1.0	U
trans-1,3-Dichloropropene	ug/l	1.0	U	1.0	U
Ethylbenzene	ug/l	1.0	U	1.0	U
Hexachlorobutadiene	ug/l	2.0	U	2.0	U
2-Hexanone	ug/l	10	U	10	U
Isopropylbenzene	ug/l	1.0	U	1.0	U
p-Isopropyltoluene	ug/l	1.0	U	1.0	U
Methyl Bromide	ug/l	2.0	U	2.0	U
Methyl Chloride	ug/l	2.0	U	2.0	U
Methyl Iodide	ug/l	1.0	U	1.0	U
Methylene Bromide	ug/l	2.0	U	2.0	U
Methylene Chloride	ug/l	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	ug/l	5.0	U	5.0	U
Methyl Tert Butyl Ether	ug/l	1.0	U	1.0	U
Naphthalene	ug/l	5.0	U	5.0	U
n-Propylbenzene	ug/l	1.0	U	1.0	U
Styrene	ug/l	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	ug/l	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	ug/l	1.0	U	1.0	U
Tetrachloroethylene	ug/l	1.0	U	1.0	U
Toluene	ug/l	1.0	U	1.0	U
1,2,3-Trichlorobenzene	ug/l	2.0	U	2.0	U
1,2,4-Trichlorobenzene	ug/l	2.0	U	2.0	U
1,1,1-Trichloroethane	ug/l	1.0	U	1.0	U
1,1,2-Trichloroethane	ug/l	1.0	U	1.0	U
Trichloroethylene	ug/l	1.0	U	1.0	U
Trichlorofluoromethane	ug/l	2.0	U	2.0	U
1,2,3-Trichloropropane	ug/l	2.0	U	2.0	U
1,2,4-Trimethylbenzene	ug/l	1.0	U	1.0	U
1,3,5-Trimethylbenzene	ug/l	1.0	U	1.0	U
Vinyl Acetate	ug/l	10	U	10	U

Client Sample ID:		G6M-03-08X		TB	
Lab Sample ID:		MC44524-1		MC44524-2	
Date Sampled:		02/24/2016		02/24/2016	
Vinyl Chloride	ug/l	1.0	U	1.0	U
m,p-Xylene	ug/l	2.0	U	2.0	U
o-Xylene	ug/l	1.0	U	1.0	U
Xylene (total)	ug/l	3.0	U	3.0	U
GC Volatiles (RSK-175)					
Methane	ug/l	90.7		NA	
Ethane	ug/l	10	U	NA	
Ethene	ug/l	10	U	NA	
Dissolved Metals Analysis					
Arsenic	ug/l	8.2		NA	
Iron	ug/l	1030		NA	
Manganese	ug/l	4710		NA	
General Chemistry					
Nitrogen, Nitrate	mg/l	0.11	U	NA	
Nitrogen, Nitrate + Nitrite	mg/l	0.10	U	NA	
Nitrogen, Nitrite	mg/l	0.010	U	NA	
Alkalinity, Total as CaCO3	mg/l	155		NA	
Sulfide	mg/l	2.0	U	NA	
Total Organic Carbon	mg/l	1.8		NA	
Sulfate	mg/l	3.1	J	NA	

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result

C.2

Data Validation Reports
Spring 2016 LTM Event

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: AOC 50	SDG #: J126356-1
Laboratory: Test America-Savannah, GA	Date: 7/05/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes H&S Peer Reviewer:	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126356-1	G6M-02-01X_SPR16	06/13/2016	VOCs	Groundwater
680-126356-2	G6M-04-01X_SPR16	06/13/2016	VOCs	Groundwater
680-126356-3	G6M-04-02X_SPR16	06/13/2016	VOCs	Groundwater
680-126356-4	DUP-2	06/13/2016	VOCs	Groundwater
680-126356-5	Trip Blank	06/13/2016	VOCs	Trip Blank
680-126418-1	G6M-04-10A_SPR16	06/14/2016	VOCs	Groundwater
680-126418-2	G6M-13-06X_SPR16	06/14/2016	VOCs	Groundwater
680-126418-3	G6M-02-08X_SPR16	06/14/2016	VOCs	Groundwater
680-126418-4	G6M-93-13X_SPR16	06/14/2016	VOCs	Groundwater
680-126418-5	G6M-07-02X_SPR16	06/14/2016	VOCs	Groundwater
680-126418-6	G6M-04-10X_SPR16	06/14/2016	VOCs	Groundwater
680-126418-7	Trip Blank	06/14/2016	VOCs	Trip Blank
680-126418-8	DUP-1	06/14/2016	VOCs	Groundwater
680-126503-1	G6M-13-04X	06/15/2016	VOCs	Groundwater
680-126503-2	G6M-97-05B	06/15/2016	VOCs	Groundwater
680-126503-3	G6M-02-04X	06/15/2016	VOCs	Groundwater
680-126503-4	G6M-13-01X	06/15/2016	VOCs	Groundwater
680-126503-5	G6M-13-05X_SPR16	06/15/2016	VOCs	Groundwater
680-126503-6	G6M-03-01X_SPR16	06/15/2016	VOCs	Groundwater
680-126503-7	Trip Blank	06/15/2016	VOCs	Trip Blank
680-126503-8	G6M-04-09X_SPR16	06/15/2016	VOCs	Groundwater
680-126503-9	G6M-02-11X_SPR16	06/15/2016	VOCs	Groundwater

Summary - Data validation was performed on the data for seventeen (17) groundwater samples, two (2) field duplicate samples and three (3) trip blank samples collected from AOC 50 and submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 6/14, 6/15 and 6/16/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the

QAPP for preserved aqueous samples.

Qualification: None required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 6/20/2016 (Analytical batch 438125) exhibited acceptable %RSDS (≤30%) for and average RRF (>0.050) values for all target compounds.

Qualification: None required.

Initial Calibration Verification (ICV): - Initial calibration verification analyzed on 6/20/2016 (ICV 680-438125/15) exhibited acceptable %Ds (≤25.0%).

Qualification: None required.

Continuing Calibration Verification (CCV): - The %Ds for the CCVs analyzed on 6/23/2016 (CCV 680-438541/3) and 6/24/2016 (CCV 680-438724/3) within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Internal Standard (IS) Area Performance: - All samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

LCS/LCSD – Percent recoveries and RPDs for the LCS/LCDSs analyzed on 6/23 and 6/24/2016 with these samples were within control limits established in the QAPP.

Qualification: None required.

MS/MSD – Samples G6M-04-02X (Lab Sample ID: 280-126356-3) and G6M-13-06X (Lab Sample ID: 280-126418-2) were spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs and calculated RPDs were within control limits for all target VOCs.

Qualification: None required.

Method Blank – The method blanks analyzed on 6/23 and 6/24/2016 with these samples were free of contamination.

Qualification: None required.

Field Blanks – Three Trip Blank samples (Lab Sample IDs: 280-126356-5, 280-126418-7 and 280-126503-7) were submitted with these samples. Target VOCs were non-detect in all TB samples.

Qualification: None required.

Field Duplicate – Two sets of field duplicate samples were submitted with these samples. Sample DUP-2 (Lab Sample ID: 280-126356-4) was the field duplicate sample of G6M-04-02X (Lab Sample ID: 280-126256-3). Sample DUP-2 (Lab Sample ID: 280-126418-8) was the field

duplicate sample of G6M-13-06X (Lab Sample ID: 280-126418-2). The VOC results were comparable in both sets of FD samples and are summarized below.

	G6M-04-02X	DUP-2	
	680-126356-3	680-126356-4	
Analyte	Result (µg/L)	Result (µg/L)	RPD (%)
1,2-Dichloroethene, Total	24	25	4.1
cis-1,2-Dichloroethene	23	25	8.3
Tetrachloroethene	120	100	18.1
Trichloroethene	48	48	0
Vinyl chloride	3.4	3.2	6.1
	G6M-13-06X	DUP-1	
	680-126418-2	680-126418-8	
Analyte	Result (µg/L)	Result (µg/L)	
1,2-Dichloroethene, Total	2.5	2.5	0
2-Butanone (MEK)	520	560	7.4
Acetone	100	110	9.5
cis-1,2-Dichloroethene	1.9	1.9	0
Ethylbenzene	16	16	0
m-Xylene & p-Xylene	0.46	0.44	4.4
Toluene	3	3	0
trans-1,2-Dichloroethene	0.59	0.58	1.7
Vinyl chloride	4.2	4.1	2.4
Xylenes, Total	0.46	0.44	4.4

Qualification: None required.

Compound Quantitation – Samples G6M-07-02X and G6M-1305X (Lab Sample IDS: 280-126418-5 and 680-126503-5) were analyzed at 20X and 10X dilutions due to high level of target compounds. Sample G6M-02-08X (Lab Sample ID: 280-126418-3) was analyzed at a 10X dilution due to foaming during the initial analysis. Reporting limits for these samples were elevated accordingly. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable and may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-126356-1	G6M-02-01X_SPR16	VOCs	No qualifications needed.			
680-126356-2	G6M-04-01X_SPR16	VOCs	No qualifications needed.			
680-126356-3	G6M-04-02X_SPR16	VOCs	No qualifications needed.			
680-126356-4	DUP-2	VOCs	No qualifications needed.			
680-126356-5	Trip Blank	VOCs	No qualifications needed.			
680-126418-1	G6M-04-10A_SPR16	VOCs	No qualifications needed.			

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-126418-2	G6M-13-06X_SPR16	VOCs	No qualifications needed.			
680-126418-3	G6M-02-08X_SPR16	VOCs	No qualifications needed.			
680-126418-4	G6M-93-13X_SPR16	VOCs	No qualifications needed.			
680-126418-5	G6M-07-02X_SPR16	VOCs	No qualifications needed.			
680-126418-6	G6M-04-10X_SPR16	VOCs	No qualifications needed.			
680-126418-7	Trip Blank	VOCs	No qualifications needed.			
680-126418-8	DUP-1	VOCs	No qualifications needed.			
680-126503-1	G6M-13-04X	VOCs	No qualifications needed.			
680-126503-2	G6M-97-05B	VOCs	No qualifications needed.			
680-126503-3	G6M-02-04X	VOCs	No qualifications needed.			
680-126503-4	G6M-13-01X	VOCs	No qualifications needed.			
680-126503-5	G6M-13-05X_SPR16	VOCs	No qualifications needed.			
680-126503-6	G6M-03-01X_SPR16	VOCs	No qualifications needed.			
680-126503-7	Trip Blank	VOCs	No qualifications needed.			
680-126503-8	G6M-04-09X_SPR16	VOCs	No qualifications needed.			
680-126503-9	G6M-02-11X_SPR16	VOCs	No qualifications needed.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: AOC 50	SDG #: J126356-1
Laboratory: Test America-Savannah, GA	Date: 7/05/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes H&S Peer Reviewer:	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126356-1	G6M-02-01X_SPR16	06/13/2016	RSK-175	Groundwater
680-126418-1	G6M-04-10A_SPR16	06/14/2016	RSK-175	Groundwater
680-126418-2	G6M-13-06X_SPR16	06/14/2016	RSK-175	Groundwater
680-126418-3	G6M-02-08X_SPR16	06/14/2016	RSK-175	Groundwater
680-126418-5	G6M-07-02X_SPR16	06/14/2016	RSK-175	Groundwater
680-126418-6	G6M-04-10X_SPR16	06/14/2016	RSK-175	Groundwater
680-126418-8	DUP-1	06/14/2016	RSK-175	Groundwater
680-126503-1	G6M-13-04X	06/15/2016	RSK-175	Groundwater
680-126503-9	G6M-02-11X_SPR16	06/15/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and one (1) field duplicate sample submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 6/13, 6/15 and 6/16/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

LCS/LCSD – The LCS/LCSD Samples reported on 6/22 and 6/23/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-13-06X (Lab Sample ID: 280-126418-2) was spiked and analyzed as the matrix spike/matrix spike duplicate sample. The results for methane were greater than four times the spike level; % recoveries could not be calculated. The %Rs for ethylene were below control limits at 68% and 72%. The calculated RPDs were within control limits.

Qualification: The results for ethylene in all samples have been qualified as estimated (J or UJ).

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Sample G6M-13-06X (Lab Sample ID: 680-126418.2) and DUP-1 (Lab Sample ID: 680-126418-8) were field duplicate samples. Ethylene was detected at an estimated level of 41 µg/L in the native sample but was non-detect in the FD sample. Methane was detected in both samples at 13,000 µg/L and 14,000 µg/L with a calculated RPD of 7.4%.

Qualification: None required.

Compound Quantitation – The Flame Ionization Detector (FID) is used as the primary detector for methane, ethane, and ethene and is more sensitive than the Thermal Conductivity Detector (TCD). The TCD is used as the secondary detector for methane only. When the concentration of methane is above the calibration range of the FID, the TCD results are reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Compound	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-126356-1	G6M-02-01X_SPR16	Ethylene	1.0	U	1.0	UJ
680-126418-1	G6M-04-10A_SPR16	Ethylene	1.0	U	1.0	UJ
680-126418-2	G6M-13-06X_SPR16	Ethylene	41	J	41	J
680-126418-3	G6M-02-08X_SPR16	Ethylene	1.0	U	1.0	UJ
680-126418-5	G6M-07-02X_SPR16	Ethylene	1.0	U	1.0	UJ
680-126418-6	G6M-04-10X_SPR16	Ethylene	5.1		5.1	J
680-126418-8	DUP-1	Ethylene	1.0	U	1.0	UJ
680-126503-1	G6M-13-04X	Ethylene	20		20	J
680-126503-9	G6M-02-11X_SPR16	Ethylene	1.0	U	1.0	UJ

Wet Chemistry

Alkalinity (SM2320B), Nitrogen/nitrate (E353.2), Sulfate (SW9056A), Sulfide (SW9034) and Total Organic Carbon (TOC) (SW9060A)

USEPA Level II Review

Site: AOC 50	SDG #: J126356-1
Laboratory: Test America-Savannah, GA	Date: 7/05/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126356-1	G6M-02-01X_SPR16	06/13/2016	Wet Chemistry Parameters	Groundwater
680-126418-1	G6M-04-10A_SPR16	06/14/2016	Wet Chemistry Parameters	Groundwater
680-126418-2	G6M-13-06X_SPR16	06/14/2016	Wet Chemistry Parameters	Groundwater
680-126418-3	G6M-02-08X_SPR16	06/14/2016	Wet Chemistry Parameters	Groundwater
680-126418-5	G6M-07-02X_SPR16	06/14/2016	Wet Chemistry Parameters	Groundwater
680-126418-6	G6M-04-10X_SPR16	06/14/2016	Wet Chemistry Parameters	Groundwater
680-126418-8	DUP-1	06/14/2016	Wet Chemistry Parameters	Groundwater
680-126503-1	G6M-13-04X	06/15/2016	Wet Chemistry Parameters	Groundwater
680-126503-9	G6M-02-11X_SPR16	06/15/2016	Wet Chemistry Parameters	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and one (1) field duplicate sample submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for alkalinity, nitrate/nitrite and TOC analyses were shipped to Test America-Denver for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 6/14, 6/15 and 6/16/2016, in acceptable condition and temperature, and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for nitrate/nitrite, sulfide, TOC and sulfate were free from contamination. Alkalinity was reported in associated MB samples at low levels ranging from 1.79 to 2.86 mg/L. Sample results were greater than the LOQ.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all parameters met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-13-06X (Lab Sample ID: 680-126418-2) was spiked and analyzed as matrix spike/duplicate samples for the wet chemistry parameters. The %Rs for sulfate, nitrate/nitrite and TOC MS/MSDs were below control limits. The result for TOC in the native sample was greater than four times the spike level; qualifications are not needed for the TOC result. The %R and calculated RPD for sulfide met the control limits established by the QAPP.

Qualification: The non-detect results for sulfate and nitrate/nitrite have been qualified as estimated (UJ).

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Samples DUP-1 (Lab Sample ID: 680-126418-8) was the field duplicate sample of G6M-13-06X (Lab Sample ID: 680-126418-2). The results for nitrate/nitrite, sulfide and sulfate were non-detect in both samples. The results for alkalinity and TOC were comparable with RPDs less than 10%. FD results are summarized in the table below.

	G6M-13-06X_SPR16	DUP-1	
	680-126418-2	680-126418-8	
Analyte	Result (mg/L)	Result (mg/L)	RPD (%)
TOC	150	150	0
Alkalinity	640	580	9.8

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J-qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the indicated qualifications. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
680-126356-1	G6M-02-01X_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126418-1	G6M-04-10A_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126418-2	G6M-13-06X_SPR16	nitrate/nitrite	0.05	U	0.05	UJ
680-126418-2	G6M-13-06X_SPR16	Sulfate	0.8	U	0.8	UJ
680-126418-3	G6M-02-08X_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126418-5	G6M-07-02X_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126418-6	G6M-04-10X_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126418-8	DUP-1	Wet Chemistry Parameters	No qualifications needed.			
680-126503-1	G6M-13-04X	Wet Chemistry Parameters	No qualifications needed.			
680-126503-9	G6M-02-11X_SPR16	Wet Chemistry Parameters	No qualifications needed.			

Dissolved Metals
SW 846/6010C/6020A
USEPA Level II Review

Site: AOC 50	SDG #: J126356-1
Laboratory: Test America-Savannah, GA	Date: 7/05/2016
KGS Environmental, Inc. Reviewer: Laurie Ekes KGS Peer Reviewer:	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126356-1	G6M-02-01X_SPR16	06/13/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126356-2	G6M-04-01X_SPR16	06/13/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126356-3	G6M-04-02X_SPR16	06/13/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126356-4	DUP-2	06/13/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-1	G6M-04-10A_SPR16	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-2	G6M-13-06X_SPR16	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-3	G6M-02-08X_SPR16	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-4	G6M-93-13X_SPR16	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-5	G6M-07-02X_SPR16	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-6	G6M-04-10X_SPR16	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126418-8	DUP-1	06/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-1	G6M-13-04X	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-2	G6M-97-05B	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-3	G6M-02-04X	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-4	G6M-13-01X	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-5	G6M-13-05X_SPR16	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-8	G6M-04-09X_SPR16	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126503-9	G6M-02-11X_SPR16	06/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater

Summary – Sixteen (16) groundwater samples and two (2) field duplicate samples were collected from AOC 50 and submitted for dissolved arsenic, iron and manganese analyses. Iron and Manganese were analyzed and reported by method SW6010B and arsenic was reported by method SW6020A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 6/14, 6/15 and 6/16/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries (%R) for the reported target analytes met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Samples G6M-04-02X (Lab Sample ID: 680-126356-3), G6M-13-06X (Lab Sample ID: 680-126418-2) and G6M-13-04X (Lab Sample ID: 680-126503-1) were spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs for iron and manganese in all MS/MSD samples were below acceptance criteria; the sample results were greater than four (4) times the spike levels. The %Rs for arsenic in all MS/MSD samples were within the laboratory control limits.

Qualification: None required.

Method Blank – Iron was detected at 109 µg/L in the method blank analyses on 6/23/2016 (680-438434/1A). Associated sample results were greater than 100X the MB level. All remaining method blanks associated and analyzed with these samples were non-detect for target analytes.

Qualification: None required.

Field Duplicate – Two sets of field duplicate samples were submitted with these samples. Sample DUP-2 (Lab Sample ID: 280-126356-4) was the field duplicate sample of G6M-04-02X (Lab Sample ID: 280-126256-3). Sample DUP-2 (Lab Sample ID: 280-126418-8) was the field duplicate sample of G6M-13-06X (Lab Sample ID: 280-126418-2). The results for dissolved arsenic, iron and manganese were comparable in both sets of FD samples and are summarized below.

	G6M-04-02X_SPR16	**DUP-2**	
	680-126356-3	**680-126356-4**	
Analyte	**Result (ug/L)**	**Result (ug/L)**	**RPD (%)**
Iron	44,000	42,000	4.6
Manganese	8,000	7,900	1.3
Arsenic	200	200	0
	G6M-13-06X_SPR16	**DUP-1**	
	680-126418-2	**680-126418-8**	
	Result (ug/L)	**Result (ug/L)**	
Iron	280,000	270,000	3.6
Manganese	18,000	17,000	5.7
Arsenic	490	520	5.9

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in SDG J126356-1 are acceptable as reported and the data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
680-126356-1	G6M-02-01X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126356-2	G6M-04-01X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126356-3	G6M-04-02X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126356-4	DUP-2	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-1	G6M-04-10A_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-2	G6M-13-06X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-3	G6M-02-08X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-4	G6M-93-13X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-5	G6M-07-02X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-6	G6M-04-10X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126418-8	DUP-1	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-1	G6M-13-04X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-2	G6M-97-05B	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-3	G6M-02-04X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-4	G6M-13-01X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-5	G6M-13-05X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-8	G6M-04-09X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126503-9	G6M-02-11X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			

AOC 50 Spring 2016 LTM Validated Data_126356

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-1	G6M-02-01X_SPR16	06/13/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	6010C	Dissolved	Iron	100,000	ug/L		50	50	17	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	6010C	Dissolved	Manganese	2,700	ug/L		10	3	1	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	6020A	Dissolved	Arsenic	450	ug/L		3	3	1.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	2-Butanone (MEK)	16	ug/L		10	10	3.4	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Acetone	8.3	ug/L	J	10	10	7	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1

AOC 50 Spring 2016 LTM Validated Data_126356

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Toluene	0.8	ug/L	J	1	1	0.48	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-1	G6M-02-01X_SPR16	06/13/2016	9056A	Total/NA	Sulfate	0.8	mg/L	U	1	0.8	0.4	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	RSK-175	Total/NA	Ethylene	1.0	ug/L	UJ	1	1	0.5	1
680-126356-1	G6M-02-01X_SPR16	06/13/2016	RSK-175	Total/NA	Methane	22,000	ug/L		390	77	39	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	6010C	Dissolved	Iron	80,000	ug/L		50	50	17	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	6010C	Dissolved	Manganese	19,000	ug/L		10	3	1	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	6020A	Dissolved	Arsenic	380	ug/L		3	3	1.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126356-2	G6M-04-01X_SPR16	06/13/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	6010C	Dissolved	Iron	44,000	ug/L	J	50	50	17	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	6010C	Dissolved	Manganese	8,000	ug/L	J	10	3	1	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	6020A	Dissolved	Arsenic	200	ug/L		3	3	1.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloroethene, Total	24	ug/L		2	1	0.74	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	cis-1,2-Dichloroethene	23	ug/L		1	1	0.41	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Tetrachloroethene	120	ug/L		1	1	0.74	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Trichloroethene	48	ug/L		1	1	0.48	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Vinyl chloride	3.4	ug/L		1	1	0.5	1
680-126356-3	G6M-04-02X_SPR16	06/13/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126356-4	DUP-2	06/13/2016	6010C	Dissolved	Iron	42,000	ug/L		50	50	17	1
680-126356-4	DUP-2	06/13/2016	6010C	Dissolved	Manganese	7,900	ug/L		10	3	1	1
680-126356-4	DUP-2	06/13/2016	6020A	Dissolved	Arsenic	200	ug/L		3	3	1.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2-Dichloroethene, Total	25	ug/L		2	1	0.74	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	cis-1,2-Dichloroethene	25	ug/L		1	1	0.41	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Tetrachloroethene	100	ug/L		1	1	0.74	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Trichloroethene	48	ug/L		1	1	0.48	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Vinyl chloride	3.2	ug/L		1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-4	DUP-2	06/13/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126356-5	Trip Blank	06/13/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126356-6	G6M-02-01X_SPR16	06/13/2016	353.2	Total/NA	Nitrate Nitrite as N	0.021	mg/L	J	0.1	0.05	0.019	1
680-126356-6	G6M-02-01X_SPR16	06/13/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	7.7	mg/L		1	0.5	0.16	1
680-126356-6	G6M-02-01X_SPR16	06/13/2016	SM 2320B	Total/NA	Alkalinity	150	mg/L		5	3.2	1.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-1	G6M-04-10A_SPR16	06/14/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	6010C	Dissolved	Iron	82,000	ug/L		50	50	17	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	6010C	Dissolved	Manganese	1,700	ug/L		10	3	1	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	6020A	Dissolved	Arsenic	220	ug/L		3	3	1.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	0.47	ug/L	J	1	1	0.47	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.1	ug/L	J	2	1	0.74	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.1	ug/L		1	1	0.41	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	0.37	ug/L	J	1	1	0.35	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Trichloroethene	0.64	ug/L	J	1	1	0.48	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Vinyl chloride	4.0	ug/L		1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-1	G6M-04-10A_SPR16	06/14/2016	8260B	Total/NA	Xylenes, Total	0.37	ug/L	J	2	0.5	0.23	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	9056A	Total/NA	Sulfate	7.3	mg/L	M	1	0.8	0.4	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	10	mg/L		1	0.5	0.16	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	RSK-175	Total/NA	Ethylene	1.0	ug/L	UJ	1	1	0.5	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	RSK-175	Total/NA	Methane	13,000	ug/L		390	77	39	1
680-126418-1	G6M-04-10A_SPR16	06/14/2016	SM 2320B	Total/NA	Alkalinity	190	mg/L		5	3.2	1.1	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U J	0.1	0.05	0.019	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	6010C	Dissolved	Iron	280,000	ug/L	J	50	50	17	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	6010C	Dissolved	Manganese	18,000	ug/L	J	10	3	1	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	6020A	Dissolved	Arsenic	490	ug/L	J	3	3	1.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	2.5	ug/L		2	1	0.74	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	520	ug/L		10	10	3.4	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Acetone	100	ug/L		10	10	7	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.9	ug/L		1	1	0.41	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Ethylbenzene	16	ug/L		1	1	0.33	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	0.46	ug/L	J	1	1	0.35	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Toluene	3.0	ug/L		1	1	0.48	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	0.59	ug/L	J	1	1	0.37	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Vinyl chloride	4.2	ug/L		1	1	0.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	8260B	Total/NA	Xylenes, Total	0.46	ug/L	J	2	0.5	0.23	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	9056A	Total/NA	Sulfate	0.8	mg/L	U J	1	0.8	0.4	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	150	mg/L	J	4.6	2.3	0.71	4.55
680-126418-2	G6M-13-06X_SPR16	06/14/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	RSK-175	Total/NA	Ethylene	41	ug/L	J	1	1	0.5	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	RSK-175	Total/NA	Methane	13,000	ug/L	J	390	77	39	1
680-126418-2	G6M-13-06X_SPR16	06/14/2016	SM 2320B	Total/NA	Alkalinity	640	mg/L		5	3.2	1.1	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	6010C	Dissolved	Iron	1,200,000	ug/L		2500	2500	850	50
680-126418-3	G6M-02-08X_SPR16	06/14/2016	6010C	Dissolved	Manganese	8,000	ug/L		10	3	1	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	6020A	Dissolved	Arsenic	220	ug/L		3	3	1.5	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	10	ug/L	U	10	10	3.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	10	ug/L	U	10	10	3.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	10	ug/L	U	10	10	6.2	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	10	ug/L	U	10	10	3.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	10	ug/L	U	10	10	3.8	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	10	ug/L	U	10	10	3.6	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	10	ug/L	U	10	10	3.4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	50	ug/L	U	50	50	25	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	10	ug/L	U	10	10	3.9	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	50	ug/L	U	50	50	25	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	10	ug/L	U	10	10	4.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	20	ug/L	U	50	20	11	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	10	ug/L	U	10	10	3.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	10	ug/L	U	10	10	5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	35	ug/L		20	10	7.4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	10	ug/L	U	10	10	6.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	10	ug/L	U	10	10	3.1	10

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	10	ug/L	U	10	10	4.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	10	ug/L	U	10	10	3.4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	10	ug/L	U	10	10	4.6	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	10	ug/L	U	10	10	3.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	980	ug/L		100	100	34	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	2-Chlorotoluene	5.0	ug/L	U	10	5	2.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	2-Hexanone	23	ug/L	J	100	50	20	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	4-Chlorotoluene	10	ug/L	U	10	10	4.5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	10	ug/L	U	10	10	4.8	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	50	ug/L	U	100	50	21	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Acetone	230	ug/L		100	100	70	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Benzene	10	ug/L	U	10	10	4.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Bromobenzene	10	ug/L	U	10	10	5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Bromoform	10	ug/L	U	10	10	4.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Bromomethane	50	ug/L	U	50	50	25	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Carbon disulfide	20	ug/L	U	20	20	4.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Carbon tetrachloride	10	ug/L	U	10	10	3.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Chlorobenzene	5.0	ug/L	U	10	5	2.6	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Chlorobromomethane	10	ug/L	U	10	10	4.5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Chlorodibromomethane	10	ug/L	U	10	10	3.2	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Chloroethane	50	ug/L	U	50	50	25	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Chloroform	10	ug/L	U	10	10	5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Chloromethane	10	ug/L	U	10	10	4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	35	ug/L		10	10	4.1	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	10	ug/L	U	10	10	4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Dibromomethane	10	ug/L	U	10	10	3.5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Dichlorobromomethane	10	ug/L	U	10	10	4.4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	10	ug/L	U	10	10	6	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Ethylbenzene	10	ug/L	U	10	10	3.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Ethylene Dibromide	10	ug/L	U	10	10	4.4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	50	ug/L	U	50	50	25	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Isopropylbenzene	5.0	ug/L	U	10	5	3.5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	5.0	ug/L	U	100	5	3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Methylene Chloride	50	ug/L	U	50	50	25	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	10	ug/L	U	10	10	3.5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Naphthalene	50	ug/L	U	50	50	25	10

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	n-Butylbenzene	10	ug/L	U	10	10	4.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	N-Propylbenzene	10	ug/L	U	10	10	3.8	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	o-Xylene	5.0	ug/L	U	10	5	2.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	sec-Butylbenzene	10	ug/L	U	10	10	4.2	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Styrene	5.0	ug/L	U	10	5	2.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	tert-Butylbenzene	10	ug/L	U	10	10	4.5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Tetrachloroethene	10	ug/L	U	10	10	7.4	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Toluene	180	ug/L		10	10	4.8	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	10	ug/L	U	10	10	3.7	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	10	ug/L	U	10	10	4.2	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Trichloroethene	10	ug/L	U	10	10	4.8	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	10	ug/L	U	10	10	4.2	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Vinyl acetate	10	ug/L	U	20	10	8.1	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Vinyl chloride	10	ug/L	U	10	10	5	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	8260B	Total/NA	Xylenes, Total	5.0	ug/L	U	20	5	2.3	10
680-126418-3	G6M-02-08X_SPR16	06/14/2016	9056A	Total/NA	Sulfate	1.3	mg/L	M	1	0.8	0.4	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	2,600	mg/L		100	50	16	100
680-126418-3	G6M-02-08X_SPR16	06/14/2016	RSK-175	Total/NA	Ethane	2.8	ug/L		1.1	1.1	0.55	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	RSK-175	Total/NA	Ethylene	1.0	ug/L	UJ	1	1	0.5	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	RSK-175	Total/NA	Methane	19,000	ug/L		390	77	39	1
680-126418-3	G6M-02-08X_SPR16	06/14/2016	SM 2320B	Total/NA	Alkalinity	1,200	mg/L		5	3.2	1.1	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	6010C	Dissolved	Iron	45	ug/L	J	50	50	17	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	6010C	Dissolved	Manganese	130	ug/L		10	3	1	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	6020A	Dissolved	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126418-4	G6M-93-13X_SPR16	06/14/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	6010C	Dissolved	Iron	110	ug/L		50	50	17	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	6010C	Dissolved	Manganese	37	ug/L		10	3	1	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	6020A	Dissolved	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	20	ug/L	U	20	20	7.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	20	ug/L	U	20	20	7.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	20	ug/L	U	20	20	12	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	20	ug/L	U	20	20	6.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	20	ug/L	U	20	20	7.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	20	ug/L	U	20	20	7.2	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	20	ug/L	U	20	20	6.8	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	20	ug/L	U	20	20	7.8	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	20	ug/L	U	20	20	9.4	20

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	40	ug/L	U	100	40	22	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	20	ug/L	U	20	20	7.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	20	ug/L	U	20	20	10	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	20	ug/L	U	40	20	15	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	20	ug/L	U	20	20	13	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	20	ug/L	U	20	20	6.2	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	20	ug/L	U	20	20	8.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	20	ug/L	U	20	20	6.8	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	20	ug/L	U	20	20	9.2	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	20	ug/L	U	20	20	7.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	200	ug/L	U	200	200	68	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	2-Chlorotoluene	10	ug/L	U	20	10	5.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	2-Hexanone	100	ug/L	U	200	100	40	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	4-Chlorotoluene	20	ug/L	U	20	20	9	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	20	ug/L	U	20	20	9.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	100	ug/L	U	200	100	42	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Acetone	200	ug/L	U	200	200	140	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Benzene	20	ug/L	U	20	20	8.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Bromobenzene	20	ug/L	U	20	20	10	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Bromoform	20	ug/L	U	20	20	8.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Bromomethane	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Carbon disulfide	40	ug/L	U	40	40	8.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Carbon tetrachloride	20	ug/L	U	20	20	6.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Chlorobenzene	10	ug/L	U	20	10	5.2	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Chlorobromomethane	20	ug/L	U	20	20	9	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Chlorodibromomethane	20	ug/L	U	20	20	6.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Chloroethane	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Chloroform	20	ug/L	U	20	20	10	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Chloromethane	20	ug/L	U	20	20	8	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	20	ug/L	U	20	20	8.2	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	20	ug/L	U	20	20	8	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Dibromomethane	20	ug/L	U	20	20	7	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Dichlorobromomethane	20	ug/L	U	20	20	8.8	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	20	ug/L	U	20	20	12	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Ethylbenzene	20	ug/L	U	20	20	6.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Ethylene Dibromide	20	ug/L	U	20	20	8.8	20

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Isopropylbenzene	10	ug/L	U	20	10	7	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	10	ug/L	U	200	10	6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Methylene Chloride	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	20	ug/L	U	20	20	7	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Naphthalene	100	ug/L	U	100	100	50	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	n-Butylbenzene	20	ug/L	U	20	20	9.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	N-Propylbenzene	20	ug/L	U	20	20	7.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	o-Xylene	10	ug/L	U	20	10	4.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	sec-Butylbenzene	20	ug/L	U	20	20	8.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Styrene	10	ug/L	U	20	10	5.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	tert-Butylbenzene	20	ug/L	U	20	20	9	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Tetrachloroethene	1,400	ug/L		20	20	15	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Toluene	20	ug/L	U	20	20	9.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	20	ug/L	U	20	20	7.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	20	ug/L	U	20	20	8.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Trichloroethene	10	ug/L	J	20	20	9.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	20	ug/L	U	20	20	8.4	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Vinyl acetate	20	ug/L	U	40	20	16	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Vinyl chloride	20	ug/L	U	20	20	10	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	8260B	Total/NA	Xylenes, Total	10	ug/L	U	40	10	4.6	20
680-126418-5	G6M-07-02X_SPR16	06/14/2016	9056A	Total/NA	Sulfate	6.6	mg/L	M	1	0.8	0.4	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	1.2	mg/L		1	0.5	0.16	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	RSK-175	Total/NA	Ethylene	1.0	ug/L	UJ	1	1	0.5	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	RSK-175	Total/NA	Methane	970	ug/L		390	77	39	1
680-126418-5	G6M-07-02X_SPR16	06/14/2016	SM 2320B	Total/NA	Alkalinity	12	mg/L		5	3.2	1.1	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	353.2	Total/NA	Nitrate Nitrite as N	1.0	mg/L		0.1	0.05	0.019	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	6010C	Dissolved	Iron	73	ug/L		50	50	17	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	6010C	Dissolved	Manganese	330	ug/L		10	3	1	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	6020A	Dissolved	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Tetrachloroethene	3.0	ug/L		1	1	0.74	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	9056A	Total/NA	Sulfate	35	mg/L	M	1	0.8	0.4	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	0.63	mg/L	J	1	0.5	0.16	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	RSK-175	Total/NA	Ethane	5.3	ug/L		1.1	1.1	0.55	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	RSK-175	Total/NA	Ethylene	5.1	ug/L	J	1	1	0.5	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	RSK-175	Total/NA	Methane	27	ug/L		0.58	0.58	0.29	1
680-126418-6	G6M-04-10X_SPR16	06/14/2016	SM 2320B	Total/NA	Alkalinity	9.4	mg/L		5	3.2	1.1	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1

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680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1

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680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126418-7	Trip Blank	06/14/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126418-8	DUP-1	06/14/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126418-8	DUP-1	06/14/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126418-8	DUP-1	06/14/2016	6010C	Dissolved	Iron	270,000	ug/L		50	50	17	1
680-126418-8	DUP-1	06/14/2016	6010C	Dissolved	Manganese	17,000	ug/L		10	3	1	1
680-126418-8	DUP-1	06/14/2016	6020A	Dissolved	Arsenic	520	ug/L		3	3	1.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1

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680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2-Dichloroethene, Total	2.5	ug/L		2	1	0.74	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	2-Butanone (MEK)	560	ug/L		10	10	3.4	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Acetone	110	ug/L		10	10	7	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1

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680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.9	ug/L		1	1	0.41	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Ethylbenzene	16	ug/L		1	1	0.33	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	m-Xylene & p-Xylene	0.44	ug/L	J	1	1	0.35	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Toluene	3.0	ug/L		1	1	0.48	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	trans-1,2-Dichloroethene	0.58	ug/L	J	1	1	0.37	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Vinyl chloride	4.1	ug/L		1	1	0.5	1
680-126418-8	DUP-1	06/14/2016	8260B	Total/NA	Xylenes, Total	0.44	ug/L	J	2	0.5	0.23	1
680-126418-8	DUP-1	06/14/2016	9056A	Total/NA	Sulfate	0.8	mg/L	U	1	0.8	0.4	1
680-126418-8	DUP-1	06/14/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	150	mg/L		4.6	2.3	0.71	4.55
680-126418-8	DUP-1	06/14/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126418-8	DUP-1	06/14/2016	RSK-175	Total/NA	Ethylene	1.0	ug/L	UJ	1	1	0.5	1
680-126418-8	DUP-1	06/14/2016	RSK-175	Total/NA	Methane	14,000	ug/L		390	77	39	1

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680-126418-8	DUP-1	06/14/2016	SM 2320B	Total/NA	Alkalinity	580	mg/L		5	3.2	1.1	1
680-126503-1	G6M-13-04X	06/15/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126503-1	G6M-13-04X	06/15/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126503-1	G6M-13-04X	06/15/2016	6010C	Dissolved	Iron	27,000	ug/L	J	50	50	17	1
680-126503-1	G6M-13-04X	06/15/2016	6010C	Dissolved	Manganese	6,800	ug/L	J	10	3	1	1
680-126503-1	G6M-13-04X	06/15/2016	6020A	Dissolved	Arsenic	340	ug/L	J	3	3	1.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	0.73	ug/L	J	1	1	0.36	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	20	ug/L		2	1	0.74	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1

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680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Chloroethane	3.8	ug/L	J	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	19	ug/L		1	1	0.41	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Tetrachloroethene	12	ug/L		1	1	0.74	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.2	ug/L		1	1	0.37	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Trichloroethene	18	ug/L		1	1	0.48	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1

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680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Vinyl chloride	55	ug/L		1	1	0.5	1
680-126503-1	G6M-13-04X	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126503-1	G6M-13-04X	06/15/2016	9056A	Total/NA	Sulfate	3.6	mg/L	M	1	0.8	0.4	1
680-126503-1	G6M-13-04X	06/15/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	1.7	mg/L		1	0.5	0.16	1
680-126503-1	G6M-13-04X	06/15/2016	RSK-175	Total/NA	Ethane	2.8	ug/L		1.1	1.1	0.55	1
680-126503-1	G6M-13-04X	06/15/2016	RSK-175	Total/NA	Ethylene	20	ug/L	J	1	1	0.5	1
680-126503-1	G6M-13-04X	06/15/2016	RSK-175	Total/NA	Methane	9,300	ug/L		390	77	39	1
680-126503-1	G6M-13-04X	06/15/2016	SM 2320B	Total/NA	Alkalinity	280	mg/L		5	3.2	1.1	1
680-126503-2	G6M-97-05B	06/15/2016	6010C	Dissolved	Iron	50	ug/L	U	50	50	17	1
680-126503-2	G6M-97-05B	06/15/2016	6010C	Dissolved	Manganese	3.0	ug/L	U	10	3	1	1
680-126503-2	G6M-97-05B	06/15/2016	6020A	Dissolved	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	4.2	ug/L		2	1	0.74	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Carbon tetrachloride	0.86	ug/L	J	1	1	0.33	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	4.2	ug/L		1	1	0.41	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Tetrachloroethene	87	ug/L		1	1	0.74	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Trichloroethene	13	ug/L		1	1	0.48	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126503-2	G6M-97-05B	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126503-3	G6M-02-04X	06/15/2016	6010C	Dissolved	Iron	27,000	ug/L		50	50	17	1
680-126503-3	G6M-02-04X	06/15/2016	6010C	Dissolved	Manganese	1,400	ug/L		10	3	1	1
680-126503-3	G6M-02-04X	06/15/2016	6020A	Dissolved	Arsenic	470	ug/L		3	3	1.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1

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680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Trichloroethene	0.59	ug/L	J	1	1	0.48	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126503-3	G6M-02-04X	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126503-4	G6M-13-01X	06/15/2016	6010C	Dissolved	Iron	83	ug/L		50	50	17	1
680-126503-4	G6M-13-01X	06/15/2016	6010C	Dissolved	Manganese	14	ug/L		10	3	1	1
680-126503-4	G6M-13-01X	06/15/2016	6020A	Dissolved	Arsenic	2.1	ug/L	J	3	3	1.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	2.8	ug/L		2	1	0.74	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	2.8	ug/L		1	1	0.41	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Tetrachloroethene	18	ug/L		1	1	0.74	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Trichloroethene	1.1	ug/L		1	1	0.48	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126503-4	G6M-13-01X	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126503-5	G6M-13-05X_SPR16	06/15/2016	6010C	Dissolved	Iron	22	ug/L	J	50	50	17	1
680-126503-5	G6M-13-05X_SPR16	06/15/2016	6010C	Dissolved	Manganese	130	ug/L		10	3	1	1
680-126503-5	G6M-13-05X_SPR16	06/15/2016	6020A	Dissolved	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	10	ug/L	U	10	10	3.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	10	ug/L	U	10	10	3.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	10	ug/L	U	10	10	6.2	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	10	ug/L	U	10	10	3.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	10	ug/L	U	10	10	3.8	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	10	ug/L	U	10	10	3.6	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	10	ug/L	U	10	10	3.4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	10	ug/L	U	10	10	3.9	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	8.1	ug/L	J	10	10	4.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	20	ug/L	U	50	20	11	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	10	ug/L	U	10	10	3.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	10	ug/L	U	10	10	5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	50	ug/L		20	10	7.4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	10	ug/L	U	10	10	6.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	10	ug/L	U	10	10	3.1	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	10	ug/L	U	10	10	4.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	10	ug/L	U	10	10	3.4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	10	ug/L	U	10	10	4.6	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	10	ug/L	U	10	10	3.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	100	ug/L	U	100	100	34	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	2-Chlorotoluene	5.0	ug/L	U	10	5	2.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	2-Hexanone	50	ug/L	U	100	50	20	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	4-Chlorotoluene	10	ug/L	U	10	10	4.5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	10	ug/L	U	10	10	4.8	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	50	ug/L	U	100	50	21	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Acetone	100	ug/L	U	100	100	70	10

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Benzene	10	ug/L	U	10	10	4.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Bromobenzene	10	ug/L	U	10	10	5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Bromoform	10	ug/L	U	10	10	4.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Bromomethane	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Carbon disulfide	20	ug/L	U	20	20	4.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Carbon tetrachloride	10	ug/L	U	10	10	3.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Chlorobenzene	5.0	ug/L	U	10	5	2.6	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Chlorobromomethane	10	ug/L	U	10	10	4.5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Chlorodibromomethane	10	ug/L	U	10	10	3.2	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Chloroethane	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Chloroform	10	ug/L	U	10	10	5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Chloromethane	10	ug/L	U	10	10	4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	50	ug/L		10	10	4.1	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	10	ug/L	U	10	10	4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Dibromomethane	10	ug/L	U	10	10	3.5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Dichlorobromomethane	10	ug/L	U	10	10	4.4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	10	ug/L	U	10	10	6	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Ethylbenzene	10	ug/L	U	10	10	3.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Ethylene Dibromide	10	ug/L	U	10	10	4.4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Isopropylbenzene	5.0	ug/L	U	10	5	3.5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	5.0	ug/L	U	100	5	3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Methylene Chloride	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	10	ug/L	U	10	10	3.5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Naphthalene	50	ug/L	U	50	50	25	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	n-Butylbenzene	10	ug/L	U	10	10	4.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	N-Propylbenzene	10	ug/L	U	10	10	3.8	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	o-Xylene	5.0	ug/L	U	10	5	2.3	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	sec-Butylbenzene	10	ug/L	U	10	10	4.2	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Styrene	5.0	ug/L	U	10	5	2.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	tert-Butylbenzene	10	ug/L	U	10	10	4.5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Tetrachloroethene	1,200	ug/L		10	10	7.4	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Toluene	10	ug/L	U	10	10	4.8	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	10	ug/L	U	10	10	3.7	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	10	ug/L	U	10	10	4.2	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Trichloroethene	9.6	ug/L	J	10	10	4.8	10

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	10	ug/L	U	10	10	4.2	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Vinyl acetate	10	ug/L	U	20	10	8.1	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Vinyl chloride	10	ug/L	U	10	10	5	10
680-126503-5	G6M-13-05X_SPR16	06/15/2016	8260B	Total/NA	Xylenes, Total	5.0	ug/L	U	20	5	2.3	10
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.4	ug/L		1	1	0.36	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	190	ug/L		2	1	0.74	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	180	ug/L		1	1	0.41	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Tetrachloroethene	9.6	ug/L		1	1	0.74	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	8.8	ug/L		1	1	0.37	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Trichloroethene	180	ug/L		1	1	0.48	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Vinyl chloride	99	ug/L		1	1	0.5	1
680-126503-6	G6M-03-01X_SPR16	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1

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680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126503-7	Trip Blank	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	6010C	Dissolved	Iron	200,000	ug/L		50	50	17	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	6010C	Dissolved	Manganese	3,100	ug/L		10	3	1	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	6020A	Dissolved	Arsenic	550	ug/L		3	3	1.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	0.6	ug/L	J	1	1	0.47	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.0	ug/L	J	2	1	0.74	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	0.4	ug/L	J	1	1	0.31	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	24	ug/L		10	10	3.4	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Acetone	11	ug/L		10	10	7	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.0	ug/L		1	1	0.41	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	0.58	ug/L	J	1	1	0.35	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	o-Xylene	0.3	ug/L	J	1	0.5	0.23	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Toluene	0.91	ug/L	J	1	1	0.48	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Trichloroethene	0.85	ug/L	J	1	1	0.48	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Vinyl chloride	0.61	ug/L	J	1	1	0.5	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	8260B	Total/NA	Xylenes, Total	0.88	ug/L	J	2	0.5	0.23	1
680-126503-8	G6M-04-09X_SPR16	06/15/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	14	mg/L		1	0.5	0.16	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	9034	Total/NA	Sulfide	1.0	mg/L	U	1	1	1	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	6010C	Dissolved	Iron	35,000	ug/L		50	50	17	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	6010C	Dissolved	Manganese	9,000	ug/L		10	3	1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-9	G6M-02-11X_SPR16	06/15/2016	6020A	Dissolved	Arsenic	550	ug/L		3	3	1.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1,2-Trichloroethane	1.0	ug/L	U	1	1	0.33	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloroethene, Total	0.95	ug/L	J	2	1	0.74	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1.0	ug/L	U	1	1	0.31	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Benzene	1.0	ug/L	U	1	1	0.43	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Carbon tetrachloride	1.0	ug/L	U	1	1	0.33	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Chlorodibromomethane	1.0	ug/L	U	1	1	0.32	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	cis-1,2-Dichloroethene	0.63	ug/L	J	1	1	0.41	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Ethylbenzene	1.0	ug/L	U	1	1	0.33	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Toluene	1.0	ug/L	U	1	1	0.48	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Vinyl acetate	1.0	ug/L	U	2	1	0.81	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	9056A	Total/NA	Sulfate	0.8	mg/L	U	1	0.8	0.4	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	4.4	mg/L		1	0.5	0.16	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	RSK-175	Total/NA	Ethane	4.6	ug/L		1.1	1.1	0.55	1

AOC 50 Spring 2016 LTM Validated Data_126356

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126503-9	G6M-02-11X_SPR16	06/15/2016	RSK-175	Total/NA	Ethylene	1.0	ug/L	UJ	1	1	0.5	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	RSK-175	Total/NA	Methane	11,000	ug/L		390	77	39	1
680-126503-9	G6M-02-11X_SPR16	06/15/2016	SM 2320B	Total/NA	Alkalinity	250	mg/L		5	3.2	1.1	1

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
LOQ = Limit of quantitation
LOD = Limit of Detection
MDL = Method Detection Limit

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: AOC 50	SDG #: J126561-1
Laboratory: Test America-Savannah, GA	Date: 7/08/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes H&S Peer Reviewer:	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126561-1	MW-3_SPR16	06/16/2016	VOCs	Groundwater
680-126561-3	G6M-03-10X_SPR16	06/16/2016	VOCs	Groundwater
680-126561-4	G6M-03-09X_SPR16	06/16/2016	VOCs	Groundwater
680-126561-6	DUP-3	06/16/2016	VOCs	Groundwater
680-126561-7	Trip Blank	06/16/2016	VOCs	Trip Blank
680-126561-8	G6M-13-02X_SPR16	06/16/2016	VOCs	Groundwater
680-126570-1	G6M-02-13X	06/16/2016	VOCs	Groundwater
680-126570-2	G6M-03-7X	06/16/2016	VOCs	Groundwater
680-126570-3	G6M-13-05X-H	06/16/2016	VOCs	Groundwater
680-126570-4	G6M-02-11X-H	06/16/2016	VOCs	Groundwater
680-126570-5	G6M-04-02X-H	06/16/2016	VOCs	Groundwater
680-126570-6	G6M-97-28X-H	06/16/2016	VOCs	Groundwater
680-126570-7	G6M-04-04X	06/16/2016	VOCs	Groundwater
680-126570-8	Trip Blank	06/16/2016	VOCs	Trip Blank

Summary - Data validation was performed on the data for twelve (12) groundwater samples, one (1) field duplicate sample and two (2) trip blank samples collected from AOC 50 and submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD. Four samples were collected using Hydrasleeve™ technology ("H" suffix); the results will be compared to assess the possibility of using this technique in lieu of low-flow sampling.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 6/17 and 6/18/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 6/20/2016 (Analytical batch 438125) exhibited acceptable %RSDS (≤30%) for and average RRF (>0.050) values for all target compounds.

Qualification: None required.

Initial Calibration Verification (ICV): - Initial calibration verification analyzed on 6/20/2016 (ICV 680-438125/15) exhibited acceptable %Ds (≤25.0%).

Qualification: None required.

Continuing Calibration Verification (CCV): - The %Ds for the CCVs analyzed on 6/24/2016 (CCV 680-438880/2) and 6/26/2016 (CCV 680-438935/2) within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Internal Standard (IS) Area Performance: - All samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

LCS/LCSD – Percent recoveries and RPDs for the LCS/LCDSs analyzed on 6/24 and 6/26/2016 with these samples were within control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample MW-3_SPR16 (Lab Sample ID: 280-126561-1) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs and calculated RPDs were within control limits for all target VOCs.

Qualification: None required.

Method Blank – The method blanks analyzed on 6/24 and 6/26/2016 with these samples were free of contamination.

Qualification: None required.

Field Blanks – Two Trip Blank samples (Lab Sample IDs: 280-126561-7 and 280-126570-8) were submitted with these samples. Target VOCs were non-detect in both TB samples.

Qualification: None required.

Field Duplicate –Sample DUP-3 (Lab Sample ID: 280-126561-6) was the field duplicate sample of MW3_SPR16 (Lab Sample ID: 280-12656-1). Estimated levels of select VOCs were detected in both samples. The calculated RPDs for total-1,2-dichloroethene and cis-1,2-dichoroethene were above control limits.

			MW-3_SPR16	DUP-3	
			680-126561-1	680-126561-6	
Lab Sample ID	Client Sample ID	Analyte	Result (µg/L)	Result (µg/L)	RPD (%)
680-126561-1	MW-3_SPR16	1,2-Dichloroethene, Total	1.9	1.2	45.1
680-126561-1	MW-3_SPR16	Acetone	9.6	9.2	4.3
680-126561-1	MW-3_SPR16	cis-1,2-Dichloroethene	1.5	0.85	55.3
680-126561-1	MW-3_SPR16	Vinyl chloride	0.89	0.74	18.4

Qualification: None required since results were already qualified as estimated. .

Compound Quantitation – Sample G6M-13-05X-H (Lab Sample ID: 280-126570-3) was analyzed at a 20X dilution due to high levels of target compounds. Reporting limits for these samples were elevated accordingly. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable and may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-126561-1	MW-3_SPR16	VOCs	No qualifications needed.			
680-126561-3	G6M-03-10X_SPR16	VOCs	No qualifications needed.			
680-126561-4	G6M-03-09X_SPR16	VOCs	No qualifications needed.			
680-126561-6	DUP-3	VOCs	No qualifications needed.			
680-126561-7	Trip Blank	VOCs	No qualifications needed.			
680-126561-8	G6M-13-02X_SPR16	VOCs	No qualifications needed.			
680-126570-1	G6M-02-13X	VOCs	No qualifications needed.			
680-126570-2	G6M-03-7X	VOCs	No qualifications needed.			
680-126570-3	G6M-13-05X-H	VOCs	No qualifications needed.			
680-126570-4	G6M-02-11X-H	VOCs	No qualifications needed.			
680-126570-5	G6M-04-02X-H	VOCs	No qualifications needed.			
680-126570-6	G6M-97-28X-H	VOCs	No qualifications needed.			
680-126570-7	G6M-04-04X	VOCs	No qualifications needed.			
680-126570-8	Trip Blank	VOCs	No qualifications needed.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: AOC 50	SDG #: J126561-1
Laboratory: Test America-Savannah, GA	Date: 7/08/2016
H&S Environmental, Inc. Reviewer: Laurie Ekes H&S Peer Reviewer:	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126561-1	MW-3_SPR16	06/16/2016	RSK-175	Groundwater
680-126561-3	G6M-03-10X_SPR16	06/16/2016	RSK-175	Groundwater
680-126561-4	G6M-03-09X_SPR16	06/16/2016	RSK-175	Groundwater
680-126561-6	DUP-3	06/16/2016	RSK-175	Groundwater
680-126570-1	G6M-02-13X	06/16/2016	RSK-175	Groundwater
680-126570-2	G6M-03-7X	06/16/2016	RSK-175	Groundwater
680-126570-7	G6M-04-04X	06/16/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for six (6) groundwater samples and one (1) field duplicate sample submitted for Methane, Ethane, Ethene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 6/17 and 6/18/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

LCS/LCSD – The LCS/LCSD Samples reported on 6/23 and 6/24/2016 with these samples met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample MW-3_SPR16 (Lab Sample ID: 280-126561-1) was spiked and analyzed as the matrix spike/matrix spike duplicate sample. The results for methane were greater than four times the spike level; % recoveries could not be calculated. The %Rs and calculated RPDs for ethane and ethane were within control limits.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Sample MW-3_SPR16 (Lab Sample ID: 680-126561-1) and DUP-3 (Lab Sample ID: 680-126561-6) were field duplicate samples. Ethylene was non-detect in both samples. The results for methane and ethane were comparable with RPDs less than 30%.

	MW-3_SPR16	DUP-3	
	680-126561-1	680-126561-6	
Analyte	Result (ug/L)	Result (ug/L)	RPD (%)
Ethane	3.0	3.9	26.1
Methane (TCD)	20,000	21,000	4.9

Qualification: None required.

Compound Quantitation – The Flame Ionization Detector (FID) is used as the primary detector for methane, ethane, and ethene and is more sensitive than the Thermal Conductivity Detector (TCD). The TCD is used as the secondary detector for methane only. When the concentration of methane is above the calibration range of the FID, the TCD results are reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-126561-1	MW-3_SPR16	RSK-175	No qualifications needed.			
680-126561-3	G6M-03-10X_SPR16	RSK-175	No qualifications needed.			
680-126561-4	G6M-03-09X_SPR16	RSK-175	No qualifications needed.			
680-126561-6	DUP-3	RSK-175	No qualifications needed.			
680-126570-1	G6M-02-13X	RSK-175	No qualifications needed.			
680-126570-2	G6M-03-7X	RSK-175	No qualifications needed.			
680-126570-7	G6M-04-04X	RSK-175	No qualifications needed.			

Wet Chemistry

Alkalinity (SM2320B), Nitrogen/nitrate (E353.2), Sulfate (SW9056A), Sulfide (SW9034) and Total Organic Carbon (TOC) (SW9060A)

USEPA Level II Review

Site: AOC 50	SDG #: J126561-1
Laboratory: Test America-Savannah, GA	Date: 7/08/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126561-1	MW-3_SPR16	06/16/2016	Wet Chemistry parameters	Groundwater
680-126561-3	G6M-03-10X_SPR16	06/16/2016	Wet Chemistry parameters	Groundwater
680-126561-4	G6M-03-09X_SPR16	06/16/2016	Wet Chemistry parameters	Groundwater
680-126561-6	DUP-3	06/16/2016	Wet Chemistry parameters	Groundwater
680-126570-1	G6M-02-13X	06/16/2016	Wet Chemistry parameters	Groundwater
680-126570-2	G6M-03-7X	06/16/2016	Wet Chemistry parameters	Groundwater
680-126570-7	G6M-04-04X	06/16/2016	Wet Chemistry parameters	Groundwater

Summary - Data validation was performed on the data for six (6) groundwater samples and one (1) field duplicate sample submitted for the Wet Chemistry wet chemistry analyses listed above. The samples submitted for alkalinity, nitrate/nitrite and TOC analyses were shipped to Test America-Denver for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 6/16 and 6/17/2016, in acceptable condition and temperature, and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for nitrate/nitrite, sulfide, TOC and sulfate were free from contamination. Alkalinity was reported in associated MB samples at 1.84 and 2.36 mg/L. All sample results for alkalinity were greater than the LOQ.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all parameters met the control limits established

by the QAPP.

Qualification: None required.

MS/MSD – Sample MW-3_SPR16 (Lab Sample ID: 680-126561-1) was spiked and analyzed as matrix spike/duplicate samples for the wet chemistry parameters. The %R and calculated RPD for all parameters met the control limits established by the QAPP.

Qualification: None required.

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Sample DUP-3 (Lab Sample ID: 680-126561-6) was the field duplicate sample of MW-3_SPR16 (Lab Sample ID: 680-126561-1). The results for nitrate/nitrite and sulfide were non-detect in both samples. The results for sulfate, alkalinity and TOC were comparable with RPDs less than 10%. FD results are summarized in the table below.

	MW-3_SPR16	DUP-3	
	680-126561-1	680-126561-6	
Analyte	Result (mg/L)	Result (mg/L)	RPD (%)
Sulfate	1.3	1.2	8.0
TOC	6.1	5.7	6.8
Alkalinity	350	360	2.8

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J-qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The Wet Chemistry parameter results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
680-126561-1	MW-3_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126561-3	G6M-03-10X_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126561-4	G6M-03-09X_SPR16	Wet Chemistry Parameters	No qualifications needed.			
680-126561-6	DUP-3	Wet Chemistry Parameters	No qualifications needed.			
680-126570-1	G6M-02-13X	Wet Chemistry Parameters	No qualifications needed.			
680-126570-2	G6M-03-7X	Wet Chemistry Parameters	No qualifications needed.			
680-126570-7	G6M-04-04X	Wet Chemistry Parameters	No qualifications needed.			

Dissolved Metals
SW 846/6010C/6020A
USEPA Level II Review

Site: AOC 50	SDG #: J126561-1
Laboratory: Test America-Savannah, GA	Date: 7/08/2016
KGS Environmental, Inc. Reviewer: Laurie Ekes KGS Peer Reviewer:	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-126561-1	MW-3_SPR16	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126561-2	G6M-02-03X_SPR16	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126561-3	G6M-03-10X_SPR16	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126561-4	G6M-03-09X_SPR16	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126561-5	G6M-97-28X	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126561-6	DUP-3	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126561-8	G6M-13-02X_SPR16	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-1	G6M-02-13X	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-2	G6M-03-7X	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-3	G6M-13-05X-H	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-4	G6M-02-11X-H	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-5	G6M-04-02X-H	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-6	G6M-97-28X-H	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-126570-7	G6M-04-04X	06/16/2016	Dissolved Metals (As, Fe, Mn)	Groundwater

Summary – Fourteen (14) groundwater samples and one (1) field duplicate sample were collected from AOC 50 and submitted for dissolved arsenic, iron and manganese analyses. Iron and Manganese were analyzed and reported by method SW6010B and arsenic was reported by method SW6020A. Four samples were collected using Hydrasleeve™ technology ("H" suffix); the results will be compared to assess the possibility of using this technique in lieu of low-flow sampling.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 6/17 and 6/18/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries (%R) for the reported target analytes met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Samples MW-3_SPR16 (Lab Sample ID: 680-126561-1) and G6M-13-05X-H (Lab Sample ID: 680-126570-3) were spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs for all analytes were below control limits; all results in sample MW-3_SPR16 were greater than four (4) times the spike levels. The %Rs and calculated RPDs for sample G6M-13-05X-HMS/MSD were within the laboratory control limits.

Qualification: None required.

Method Blank – Iron was detected at 165 µg/L in the method blank analyzed on 6/29/2016 (680-439005/1-A). Associated sample results with one exception were greater than 100X the MB level. All remaining method blanks associated and analyzed with these samples were non-detect for target analytes.

Qualification: The estimated results for sample G6M-02-05X (Lab Sample ID:680-126561-2) have been qualified as non-detect at the LOQ.

Field Duplicate – Sample DUP-3 (Lab Sample ID: 280-126561-6) was the field duplicate sample of MW-3_SPR16 (Lab Sample ID: 280-126561-1). The results for dissolved arsenic, iron and manganese were comparable and are summarized below.

	MW-3_SPR16	DUP-3	
	680-126561-1	680-126561-6	
Analyte	Result (ug/L)	Result (ug/L)	RPD (%)
Iron	45,000	46,000	2.2
Manganese	9,800	9,900	1.0
Arsenic	410	430	4.8

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in SDG J126561-1 are acceptable with one exception and the data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-126561-1	MW-3_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126561-2	G6M-02-03X_SPR16	Dissolved Iron	20	J	50	U
680-126561-3	G6M-03-10X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126561-4	G6M-03-09X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126561-5	G6M-97-28X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126561-6	DUP-3	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126561-8	G6M-13-02X_SPR16	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-1	G6M-02-13X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-2	G6M-03-7X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-3	G6M-13-05X-H	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-4	G6M-02-11X-H	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-5	G6M-04-02X-H	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-6	G6M-97-28X-H	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			
680-126570-7	G6M-04-04X	Dissolved Metals (As, Fe, Mn)	No qualifications needed.			

AOC50 Spring 2016 Validated Data Table_126561

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-1	MW-3_SPR16	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U J	0.1	0.05	0.019	1
680-126561-1	MW-3_SPR16	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126561-1	MW-3_SPR16	06/16/2016	6010C	Dissolved	Iron	45000	ug/L		50	50	17	1
680-126561-1	MW-3_SPR16	06/16/2016	6010C	Dissolved	Manganese	9800	ug/L		10	3	1	1
680-126561-1	MW-3_SPR16	06/16/2016	6020A	Dissolved	Arsenic	410	ug/L		3	3	1.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.9	ug/L	J	2	1	0.74	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Acetone	9.6	ug/L	J	10	10	7	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.5	ug/L		1	1	0.41	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Vinyl chloride	0.89	ug/L	J	1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-1	MW-3_SPR16	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126561-1	MW-3_SPR16	06/16/2016	9056A	Total/NA	Sulfate	1.3	mg/L		1	0.8	0.4	1
680-126561-1	MW-3_SPR16	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	6.1	mg/L		1	0.5	0.16	1
680-126561-1	MW-3_SPR16	06/16/2016	RSK-175	Total/NA	Ethane	3	ug/L		1.1	1.1	0.55	1
680-126561-1	MW-3_SPR16	06/16/2016	RSK-175	Total/NA	Ethylene	1	ug/L	U	1	1	0.5	1
680-126561-1	MW-3_SPR16	06/16/2016	RSK-175	Total/NA	Methane (TCD)	20000	ug/L	J	390	77	39	1
680-126561-1	MW-3_SPR16	06/16/2016	SM 2320B	Total/NA	Alkalinity	350	mg/L		5	3.2	1.1	1
680-126561-2	G6M-02-03X_SPR16	06/16/2016	6010C	Dissolved	Iron	50	ug/L	U	50	50	17	1
680-126561-2	G6M-02-03X_SPR16	06/16/2016	6010C	Dissolved	Manganese	310	ug/L		10	3	1	1
680-126561-2	G6M-02-03X_SPR16	06/16/2016	6020A	Dissolved	Arsenic	3	ug/L	U	3	3	1.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	6010C	Dissolved	Iron	61000	ug/L		50	50	17	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	6010C	Dissolved	Manganese	1600	ug/L		10	3	1	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	6020A	Dissolved	Arsenic	400	ug/L		3	3	1.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1	ug/L	U	2	1	0.74	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1	ug/L	U	1	1	0.41	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1

AOC50 Spring 2016 Validated Data Table_126561

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Vinyl chloride	1	ug/L	U	1	1	0.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	9056A	Total/NA	Sulfate	3.3	mg/L		1	0.8	0.4	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	1.8	mg/L		1	0.5	0.16	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	RSK-175	Total/NA	Ethylene	1	ug/L	U	1	1	0.5	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	RSK-175	Total/NA	Methane (TCD)	14000	ug/L		390	77	39	1
680-126561-3	G6M-03-10X_SPR16	06/16/2016	SM 2320B	Total/NA	Alkalinity	88	mg/L		5	3.2	1.1	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	6010C	Dissolved	Iron	50	ug/L	U	50	50	17	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	6010C	Dissolved	Manganese	81	ug/L		10	3	1	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	6020A	Dissolved	Arsenic	3	ug/L	U	3	3	1.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1	ug/L	U	2	1	0.74	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1	ug/L	U	1	1	0.41	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Vinyl chloride	1	ug/L	U	1	1	0.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	9056A	Total/NA	Sulfate	16	mg/L		1	0.8	0.4	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	0.78	mg/L	J	1	0.5	0.16	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	RSK-175	Total/NA	Ethylene	1	ug/L	U	1	1	0.5	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	RSK-175	Total/NA	Methane	8.8	ug/L		0.58	0.58	0.29	1
680-126561-4	G6M-03-09X_SPR16	06/16/2016	SM 2320B	Total/NA	Alkalinity	43	mg/L		5	3.2	1.1	1
680-126561-5	G6M-97-28X	06/16/2016	6010C	Dissolved	Iron	6000	ug/L		50	50	17	1
680-126561-5	G6M-97-28X	06/16/2016	6010C	Dissolved	Manganese	2200	ug/L		10	3	1	1
680-126561-5	G6M-97-28X	06/16/2016	6020A	Dissolved	Arsenic	190	ug/L		3	3	1.5	1
680-126561-6	DUP-3	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126561-6	DUP-3	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126561-6	DUP-3	06/16/2016	6010C	Dissolved	Iron	46000	ug/L		50	50	17	1
680-126561-6	DUP-3	06/16/2016	6010C	Dissolved	Manganese	9900	ug/L		10	3	1	1
680-126561-6	DUP-3	06/16/2016	6020A	Dissolved	Arsenic	430	ug/L		3	3	1.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.2	ug/L	J	2	1	0.74	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Acetone	9.2	ug/L	J	10	10	7	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	0.85	ug/L	J	1	1	0.41	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Vinyl chloride	0.74	ug/L	J	1	1	0.5	1
680-126561-6	DUP-3	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126561-6	DUP-3	06/16/2016	9056A	Total/NA	Sulfate	1.2	mg/L		1	0.8	0.4	1
680-126561-6	DUP-3	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	5.7	mg/L		1	0.5	0.16	1
680-126561-6	DUP-3	06/16/2016	RSK-175	Total/NA	Ethane	3.9	ug/L		1.1	1.1	0.55	1
680-126561-6	DUP-3	06/16/2016	RSK-175	Total/NA	Ethylene	1	ug/L	U	1	1	0.5	1
680-126561-6	DUP-3	06/16/2016	RSK-175	Total/NA	Methane (TCD)	21000	ug/L		390	77	39	1
680-126561-6	DUP-3	06/16/2016	SM 2320B	Total/NA	Alkalinity	360	mg/L		5	3.2	1.1	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1	ug/L	U	2	1	0.74	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1	ug/L	U	1	1	0.41	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Vinyl chloride	1	ug/L	U	1	1	0.5	1
680-126561-7	Trip Blank	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	6010C	Dissolved	Iron	190	ug/L		50	50	17	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	6010C	Dissolved	Manganese	20	ug/L		10	3	1	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	6020A	Dissolved	Arsenic	1.8	ug/L	J	3	3	1.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	61	ug/L		2	1	0.74	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	0.86	ug/L	J	1	1	0.67	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	61	ug/L		1	1	0.41	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Tetrachloroethene	77	ug/L		1	1	0.74	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	0.89	ug/L	J	1	1	0.37	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Trichloroethene	34	ug/L		1	1	0.48	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Vinyl chloride	1.5	ug/L		1	1	0.5	1
680-126561-8	G6M-13-02X_SPR16	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-1	G6M-02-13X	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126570-1	G6M-02-13X	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126570-1	G6M-02-13X	06/16/2016	6010C	Dissolved	Iron	7900	ug/L		50	50	17	1
680-126570-1	G6M-02-13X	06/16/2016	6010C	Dissolved	Manganese	11000	ug/L		10	3	1	1
680-126570-1	G6M-02-13X	06/16/2016	6020A	Dissolved	Arsenic	96	ug/L		3	3	1.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	20	ug/L		2	1	0.74	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	20	ug/L		1	1	0.41	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	0.65	ug/L	J	1	1	0.37	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Trichloroethene	22	ug/L		1	1	0.48	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Vinyl chloride	9.4	ug/L		1	1	0.5	1
680-126570-1	G6M-02-13X	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-1	G6M-02-13X	06/16/2016	9056A	Total/NA	Sulfate	0.8	mg/L	U	1	0.8	0.4	1
680-126570-1	G6M-02-13X	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	2.4	mg/L		1	0.5	0.16	1
680-126570-1	G6M-02-13X	06/16/2016	RSK-175	Total/NA	Ethane	0.87	ug/L	J	1.1	1.1	0.55	1
680-126570-1	G6M-02-13X	06/16/2016	RSK-175	Total/NA	Ethylene	8.2	ug/L		1	1	0.5	1
680-126570-1	G6M-02-13X	06/16/2016	RSK-175	Total/NA	Methane (TCD)	3400	ug/L		390	77	39	1
680-126570-1	G6M-02-13X	06/16/2016	SM 2320B	Total/NA	Alkalinity	210	mg/L		5	3.2	1.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-2	G6M-03-7X	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126570-2	G6M-03-7X	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126570-2	G6M-03-7X	06/16/2016	6010C	Dissolved	Iron	90000	ug/L		50	50	17	1
680-126570-2	G6M-03-7X	06/16/2016	6010C	Dissolved	Manganese	1600	ug/L		10	3	1	1
680-126570-2	G6M-03-7X	06/16/2016	6020A	Dissolved	Arsenic	440	ug/L		3	3	1.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	2.2	ug/L		2	1	0.74	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	0.73	ug/L	J	1	1	0.41	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Toluene	0.61	ug/L	J	1	1	0.48	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1.5	ug/L		1	1	0.37	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Trichloroethene	0.61	ug/L	J	1	1	0.48	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Vinyl chloride	0.73	ug/L	J	1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-2	G6M-03-7X	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-2	G6M-03-7X	06/16/2016	9056A	Total/NA	Sulfate	0.8	mg/L	U	1	0.8	0.4	1
680-126570-2	G6M-03-7X	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	26	mg/L		1	0.5	0.16	1
680-126570-2	G6M-03-7X	06/16/2016	RSK-175	Total/NA	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-126570-2	G6M-03-7X	06/16/2016	RSK-175	Total/NA	Ethylene	1	ug/L	U	1	1	0.5	1
680-126570-2	G6M-03-7X	06/16/2016	RSK-175	Total/NA	Methane (TCD)	28000	ug/L		390	77	39	1
680-126570-2	G6M-03-7X	06/16/2016	SM 2320B	Total/NA	Alkalinity	200	mg/L		5	3.2	1.1	1
680-126570-3	G6M-13-05X-H	06/16/2016	6010C	Dissolved	Iron	50	ug/L	U	50	50	17	1
680-126570-3	G6M-13-05X-H	06/16/2016	6010C	Dissolved	Manganese	110	ug/L		10	3	1	1
680-126570-3	G6M-13-05X-H	06/16/2016	6020A	Dissolved	Arsenic	1.5	ug/L	J	3	3	1.5	1
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	20	ug/L	U	20	20	7.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	20	ug/L	U	20	20	7.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	20	ug/L	U	20	20	12	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	20	ug/L	U	20	20	6.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	20	ug/L	U	20	20	7.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	20	ug/L	U	20	20	7.2	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	20	ug/L	U	20	20	6.8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	20	ug/L	U	20	20	7.8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	20	ug/L	U	20	20	9.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	40	ug/L	U	100	40	22	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	20	ug/L	U	20	20	7.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	20	ug/L	U	20	20	10	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	46	ug/L		40	20	15	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	20	ug/L	U	20	20	13	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	20	ug/L	U	20	20	6.2	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	20	ug/L	U	20	20	8.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	20	ug/L	U	20	20	6.8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	20	ug/L	U	20	20	9.2	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	20	ug/L	U	20	20	7.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	200	ug/L	U	200	200	68	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	2-Chlorotoluene	10	ug/L	U	20	10	5.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	2-Hexanone	100	ug/L	U	200	100	40	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	4-Chlorotoluene	20	ug/L	U	20	20	9	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	20	ug/L	U	20	20	9.6	20

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	100	ug/L	U	200	100	42	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Acetone	200	ug/L	U	200	200	140	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Benzene	20	ug/L	U	20	20	8.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Bromobenzene	20	ug/L	U	20	20	10	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Bromoform	20	ug/L	U	20	20	8.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Bromomethane	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Carbon disulfide	40	ug/L	U	40	40	8.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Carbon tetrachloride	20	ug/L	U	20	20	6.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Chlorobenzene	10	ug/L	U	20	10	5.2	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Chlorobromomethane	20	ug/L	U	20	20	9	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Chlorodibromomethane	20	ug/L	U	20	20	6.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Chloroethane	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Chloroform	20	ug/L	U	20	20	10	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Chloromethane	20	ug/L	U	20	20	8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	46	ug/L		20	20	8.2	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	20	ug/L	U	20	20	8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Dibromomethane	20	ug/L	U	20	20	7	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Dichlorobromomethane	20	ug/L	U	20	20	8.8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	20	ug/L	U	20	20	12	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Ethylbenzene	20	ug/L	U	20	20	6.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Ethylene Dibromide	20	ug/L	U	20	20	8.8	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Isopropylbenzene	10	ug/L	U	20	10	7	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	10	ug/L	U	200	10	6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Methylene Chloride	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	20	ug/L	U	20	20	7	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Naphthalene	100	ug/L	U	100	100	50	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	n-Butylbenzene	20	ug/L	U	20	20	9.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	N-Propylbenzene	20	ug/L	U	20	20	7.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	o-Xylene	10	ug/L	U	20	10	4.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	sec-Butylbenzene	20	ug/L	U	20	20	8.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Styrene	10	ug/L	U	20	10	5.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	tert-Butylbenzene	20	ug/L	U	20	20	9	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Tetrachloroethene	1100	ug/L		20	20	15	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Toluene	20	ug/L	U	20	20	9.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	20	ug/L	U	20	20	7.4	20

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	20	ug/L	U	20	20	8.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Trichloroethene	16	ug/L	J	20	20	9.6	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	20	ug/L	U	20	20	8.4	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Vinyl acetate	20	ug/L	U	40	20	16	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Vinyl chloride	20	ug/L	U	20	20	10	20
680-126570-3	G6M-13-05X-H	06/16/2016	8260B	Total/NA	Xylenes, Total	10	ug/L	U	40	10	4.6	20
680-126570-4	G6M-02-11X-H	06/16/2016	6010C	Dissolved	Iron	35	ug/L	J	50	50	17	1
680-126570-4	G6M-02-11X-H	06/16/2016	6010C	Dissolved	Manganese	9100	ug/L		10	3	1	1
680-126570-4	G6M-02-11X-H	06/16/2016	6020A	Dissolved	Arsenic	4.5	ug/L		3	3	1.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1	ug/L	U	2	1	0.74	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	0.41	ug/L	J	1	1	0.41	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Vinyl chloride	1	ug/L	U	1	1	0.5	1
680-126570-4	G6M-02-11X-H	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-5	G6M-04-02X-H	06/16/2016	6010C	Dissolved	Iron	210	ug/L		50	50	17	1
680-126570-5	G6M-04-02X-H	06/16/2016	6010C	Dissolved	Manganese	2400	ug/L		10	3	1	1
680-126570-5	G6M-04-02X-H	06/16/2016	6020A	Dissolved	Arsenic	5.1	ug/L		3	3	1.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	73	ug/L		2	1	0.74	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	73	ug/L		1	1	0.41	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Tetrachloroethene	9.4	ug/L		1	1	0.74	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Trichloroethene	12	ug/L		1	1	0.48	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Vinyl chloride	5.3	ug/L		1	1	0.5	1
680-126570-5	G6M-04-02X-H	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-6	G6M-97-28X-H	06/16/2016	6010C	Dissolved	Iron	53	ug/L		50	50	17	1
680-126570-6	G6M-97-28X-H	06/16/2016	6010C	Dissolved	Manganese	3000	ug/L		10	3	1	1
680-126570-6	G6M-97-28X-H	06/16/2016	6020A	Dissolved	Arsenic	18	ug/L		3	3	1.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1.3	ug/L	J	2	1	0.74	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1.3	ug/L		1	1	0.41	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Vinyl chloride	1	ug/L	U	1	1	0.5	1
680-126570-6	G6M-97-28X-H	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-7	G6M-04-04X	06/16/2016	353.2	Total/NA	Nitrate Nitrite as N	0.05	mg/L	U	0.1	0.05	0.019	1
680-126570-7	G6M-04-04X	06/16/2016	9034	Total/NA	Sulfide	1	mg/L	U	1	1	1	1
680-126570-7	G6M-04-04X	06/16/2016	6010C	Dissolved	Iron	120000	ug/L		50	50	17	1
680-126570-7	G6M-04-04X	06/16/2016	6010C	Dissolved	Manganese	10000	ug/L		10	3	1	1
680-126570-7	G6M-04-04X	06/16/2016	6020A	Dissolved	Arsenic	580	ug/L		3	3	1.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	3	ug/L		2	1	0.74	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	0.65	ug/L	J	1	1	0.41	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	2.3	ug/L		1	1	0.37	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1

AOC50 Spring 2016 Validated Data Table_126561

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Vinyl chloride	1.1	ug/L		1	1	0.5	1
680-126570-7	G6M-04-04X	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1
680-126570-7	G6M-04-04X	06/16/2016	9056A	Total/NA	Sulfate	30	mg/L		1	0.8	0.4	1
680-126570-7	G6M-04-04X	06/16/2016	9060A	Total/NA	Total Organic Carbon - Duplicates	8.6	mg/L		1	0.5	0.16	1
680-126570-7	G6M-04-04X	06/16/2016	RSK-175	Total/NA	Ethane	9.2	ug/L		1.1	1.1	0.55	1
680-126570-7	G6M-04-04X	06/16/2016	RSK-175	Total/NA	Ethylene	86	ug/L		1	1	0.5	1
680-126570-7	G6M-04-04X	06/16/2016	RSK-175	Total/NA	Methane (TCD)	31000	ug/L		390	77	39	1
680-126570-7	G6M-04-04X	06/16/2016	SM 2320B	Total/NA	Alkalinity	160	mg/L		5	3.2	1.1	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1,1,2-Tetrachloroethane	1	ug/L	U	1	1	0.37	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1,1-Trichloroethane	1	ug/L	U	1	1	0.37	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1,2,2-Tetrachloroethane	1	ug/L	U	1	1	0.62	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1,2-Trichloroethane	1	ug/L	U	1	1	0.33	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1-Dichloroethane	1	ug/L	U	1	1	0.38	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1-Dichloroethene	1	ug/L	U	1	1	0.36	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,1-Dichloropropene	1	ug/L	U	1	1	0.34	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2,3-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2,3-Trichloropropane	1	ug/L	U	1	1	0.39	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2,4-Trichlorobenzene	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2,4-Trimethylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dibromo-3-Chloropropane	2	ug/L	U	5	2	1.1	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichlorobenzene	1	ug/L	U	1	1	0.37	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichloroethane	1	ug/L	U	1	1	0.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichloroethene, Total	1	ug/L	U	2	1	0.74	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,2-Dichloropropane	1	ug/L	U	1	1	0.67	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,3,5-Trimethylbenzene	1	ug/L	U	1	1	0.31	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,3-Dichlorobenzene	1	ug/L	U	1	1	0.43	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,3-Dichloropropane	1	ug/L	U	1	1	0.34	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	1,4-Dichlorobenzene	1	ug/L	U	1	1	0.46	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	2,2-Dichloropropane	1	ug/L	U	1	1	0.37	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	2-Chlorotoluene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	2-Hexanone	5	ug/L	U	10	5	2	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	4-Chlorotoluene	1	ug/L	U	1	1	0.45	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	4-Isopropyltoluene	1	ug/L	U	1	1	0.48	1

AOC50 Spring 2016 Validated Data Table_126561

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	4-Methyl-2-pentanone (MIBK)	5	ug/L	U	10	5	2.1	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Acetone	10	ug/L	U	10	10	7	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Benzene	1	ug/L	U	1	1	0.43	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Bromobenzene	1	ug/L	U	1	1	0.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Bromoform	1	ug/L	U	1	1	0.43	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Bromomethane	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Carbon disulfide	2	ug/L	U	2	2	0.43	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Carbon tetrachloride	1	ug/L	U	1	1	0.33	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Chlorobenzene	0.5	ug/L	U	1	0.5	0.26	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Chlorobromomethane	1	ug/L	U	1	1	0.45	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Chlorodibromomethane	1	ug/L	U	1	1	0.32	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Chloroethane	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Chloroform	1	ug/L	U	1	1	0.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Chloromethane	1	ug/L	U	1	1	0.4	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	cis-1,2-Dichloroethene	1	ug/L	U	1	1	0.41	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	cis-1,3-Dichloropropene	1	ug/L	U	1	1	0.4	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Dibromomethane	1	ug/L	U	1	1	0.35	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Dichlorobromomethane	1	ug/L	U	1	1	0.44	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Dichlorodifluoromethane	1	ug/L	U	1	1	0.6	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Ethylbenzene	1	ug/L	U	1	1	0.33	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Ethylene Dibromide	1	ug/L	U	1	1	0.44	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Hexachlorobutadiene	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Isopropylbenzene	0.5	ug/L	U	1	0.5	0.35	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Methyl tert-butyl ether	0.5	ug/L	U	10	0.5	0.3	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Methylene Chloride	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	m-Xylene & p-Xylene	1	ug/L	U	1	1	0.35	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Naphthalene	5	ug/L	U	5	5	2.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	n-Butylbenzene	1	ug/L	U	1	1	0.47	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	N-Propylbenzene	1	ug/L	U	1	1	0.38	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	o-Xylene	0.5	ug/L	U	1	0.5	0.23	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	sec-Butylbenzene	1	ug/L	U	1	1	0.42	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Styrene	0.5	ug/L	U	1	0.5	0.27	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	tert-Butylbenzene	1	ug/L	U	1	1	0.45	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Tetrachloroethene	1	ug/L	U	1	1	0.74	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Toluene	1	ug/L	U	1	1	0.48	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	trans-1,2-Dichloroethene	1	ug/L	U	1	1	0.37	1

AOC50 Spring 2016 Validated Data Table_126561

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	Prep Type	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	trans-1,3-Dichloropropene	1	ug/L	U	1	1	0.42	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Trichloroethene	1	ug/L	U	1	1	0.48	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Trichlorofluoromethane	1	ug/L	U	1	1	0.42	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Vinyl acetate	1	ug/L	U	2	1	0.81	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Vinyl chloride	1	ug/L	U	1	1	0.5	1
680-126570-8	Trip Blank	06/16/2016	8260B	Total/NA	Xylenes, Total	0.5	ug/L	U	2	0.5	0.23	1

Notes:
µg/L = microgram per liter
mg/L = milligram per liter
U = non-detect
UJ = Estimated non-detect
J = Estimated result
LOQ = Limit of quantitation
LOD = Limit of Detection
MDL = Method Detection Limit

C.3

Data Validation Report
Fall 2016 LTM Event

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-131959
Laboratory: Test America-Savannah, GA	Date: 12/08/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-131959-1	G6M-96-22B	11/08/2016	VOCs	Groundwater
680-131959-2	G6M-96-22A	11/08/2016	VOCs	Groundwater
680-131959-3	G6M-95-20X	11/08/2016	VOCs	Groundwater
680-131959-4	G6M-95-19X	11/08/2016	VOCs	Groundwater
680-131959-5	G6M-04-04X	11/08/2016	VOCs	Groundwater
680-131959-6	G6M-13-06X	11/08/2016	VOCs	Groundwater
680-131959-7	G6M-93-13X	11/08/2016	VOCs	Groundwater
680-131959-8	Trip Blank	11/08/2016	VOCs	Trip Blank
680-131959-9	G6M-13-02X	11/08/2016	VOCs	Groundwater
680-131959-10	G6M-02-13X	11/08/2016	VOCs	Groundwater
680-131959-11	G6M-02-04X	11/08/2016	VOCs	Groundwater
680-131959-15	G6M-04-01X	11/09/2016	VOCs	Groundwater
680-131959-16	G6M-02-01X	11/09/2016	VOCs	Groundwater
680-131959-17	G6M-04-09X	11/09/2016	VOCs	Groundwater
680-131959-18	G6M-04-10X	11/09/2016	VOCs	Groundwater

Summary - Data validation was performed on the data for fourteen (14) groundwater samples and one (1) trip blank sample collected from AOC 50 and submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/10/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 11/16/2016 (Analytical batch 448077) exhibited acceptable %RSDS (≤30%) for and average RRF (>0.050) values for all target compounds.

Qualification: None required.

Initial Calibration Verification (ICV): - Initial calibration verification analyzed on 11/17/2016 (ICV 680-458077/21) exhibited acceptable %Ds (≤25.0%).

Qualification: None required.

Continuing Calibration Verification (CCV): - The %Ds for the CCVs analyzed on 11/21/2016 (CCV 680-458558/3) were within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Internal Standard (IS) Area Performance: - All samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

LCS/LCSD – Percent recoveries and RPDs for the LCS/LCDSs analyzed on 11/21/2016 with these samples were within control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-04X (Lab Sample ID: 680-131959-5) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The %Rs and calculated RPDs were within control limits for all target VOCs.

Qualification: None required.

Method Blank – The method blank (MB 680-658558-9) analyzed on 11/21/2016 with these samples was free of contamination.

Qualification: None required.

Field Blanks – One Trip Blank sample (Lab Sample ID: 680-131959-8) was submitted with these samples. Target VOCs were non-detect in all TB samples.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable and may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
680-131959-1	G6M-96-22B	VOCs	No qualifications needed.			
680-131959-2	G6M-96-22A	VOCs	No qualifications needed.			
680-131959-3	G6M-95-20X	VOCs	No qualifications needed.			
680-131959-4	G6M-95-19X	VOCs	No qualifications needed.			
680-131959-5	G6M-04-04X	VOCs	No qualifications needed.			
680-131959-6	G6M-13-06X	VOCs	No qualifications needed.			
680-131959-7	G6M-93-13X	VOCs	No qualifications needed.			
680-131959-8	Trip Blank	VOCs	No qualifications needed.			
680-131959-9	G6M-13-02X	VOCs	No qualifications needed.			
680-131959-10	G6M-02-13X	VOCs	No qualifications needed.			
680-131959-11	G6M-02-04X	VOCs	No qualifications needed.			
680-131959-15	G6M-04-01X	VOCs	No qualifications needed.			
680-131959-16	G6M-02-01X	VOCs	No qualifications needed.			
680-131959-17	G6M-04-09X	VOCs	No qualifications needed.			
680-131959-18	G6M-04-10X	VOCs	No qualifications needed.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-131959
Laboratory: Test America-Savannah, GA	Date: 12/8/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-131959-5	G6M-04-04X	11/08/2016	RSK-175	Groundwater
680-131959-6	G6M-13-06X	11/08/2016	RSK-175	Groundwater
680-131959-10	G6M-02-13X	11/08/2016	RSK-175	Groundwater
680-131959-16	G6M-02-01X	11/09/2016	RSK-175	Groundwater
680-131959-18	G6M-04-10X	11/09/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for five (5) groundwater samples and one (1) field duplicate sample submitted for Methane, Ethane, Ethylene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/10/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

LCS/LCSD – The LCS/LCSD samples (LCS 680-457135/2 and 3) analyzed on 11/10/2016 reported with these samples met the %R and RPD control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-04X (Lab Sample ID: 680-131959-5) was spiked and analyzed as the matrix spike/matrix spike duplicate sample. The results for methane were greater than four times the spike level; percent recoveries could not be calculated. The %Rs and calculated RPDs were within control limits for ethane and ethylene.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – The Flame Ionization Detector (FID) is used as the primary detector for methane, ethane, and ethene and is more sensitive than the Thermal Conductivity Detector (TCD).

The TCD is used as the secondary detector for methane only. When the concentration of methane is above the calibration range of the FID, the TCD results are reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Compound	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-131959-5	G6M-04-04X	RSK-175	No qualifications needed.			
680-131959-6	G6M-13-06X	RSK-175	No qualifications needed.			
680-131959-10	G6M-02-13X	RSK-175	No qualifications needed.			
680-131959-16	G6M-02-01X	RSK-175	No qualifications needed.			
680-131959-18	G6M-04-10X	RSK-175	No qualifications needed.			

Dissolved Metals
SW 846/6010C/6020A
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-131949
Laboratory: Test America-Savannah, GA	Date: 12/09/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-131959-1	G6M-96-22B	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-2	G6M-96-22A	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-3	G6M-95-20X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-4	G6M-95-19X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-5	G6M-04-04X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-6	G6M-13-06X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-7	G6M-93-13X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-9	G6M-13-02X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-10	G6M-02-13X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-11	G6M-02-04X	11/08/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-15	G6M-04-01X	11/09/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-16	G6M-02-01X	11/09/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-17	G6M-04-09X	11/09/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-131959-18	G6M-04-10X	11/09/2016	Dissolved Metals (As, Fe, Mn)	Groundwater

Summary – Data validation was performed on the data for fourteen (14) groundwater samples collected from AOC 50 and submitted for dissolved arsenic, iron and manganese analyses. Iron and Manganese were analyzed and reported by method SW6010B and arsenic was analyzed and reported by method SW6020A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/10/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries (%R) for the reported target analytes met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-04X (Lab Sample ID: 680-131949-5) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The sample results were greater than four (4) tiems the spike levels and the %Rs for arsenic, iron and manganese could not be calculated. LCS recoveries were within control limits.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in SDG 131949 are acceptable as reported and the data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
680-131959-1	G6M-96-22B	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-2	G6M-96-22A	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-3	G6M-95-20X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-4	G6M-95-19X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-5	G6M-04-04X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-6	G6M-13-06X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-7	G6M-93-13X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-9	G6M-13-02X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-10	G6M-02-13X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-11	G6M-02-04X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-15	G6M-04-01X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-16	G6M-02-01X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-17	G6M-04-09X	Dissolved As, Fe, Mn	No qualifications needed.			
680-131959-18	G6M-04-10X	Dissolved As, Fe, Mn	No qualifications needed.			

Miscellaneous Parameters

Alkalinity (SM2320B), Nitrogen/nitrate (E353.2), Sulfate (SW9056A), Sulfide (SW9034) and Total Organic Carbon (TOC) (SW9060A)

USEPA Level II Review

Site: AOC 50	SDG #: 680-131949
Laboratory: Test America-Savannah, GA	Date: 12/09/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-131959-5	G6M-04-04X	11/08/2016	Miscellaneous Parameters	Groundwater
680-131959-6	G6M-13-06X	11/08/2016	Miscellaneous Parameters	Groundwater
680-131959-10	G6M-02-13X	11/08/2016	Miscellaneous Parameters	Groundwater
680-131959-16	G6M-02-01X	11/09/2016	Miscellaneous Parameters	Groundwater
680-131959-18	G6M-04-10X	11/09/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for five (5) groundwater samples submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for alkalinity, nitrate/nitrite and TOC analyses were shipped to Test America-Denver for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 11/10/2016 in acceptable condition and temperature, and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for nitrate/nitrite, sulfide, TOC and sulfate were free from contamination. Alkalinity was reported in associated MB samples at low levels ranging from 1.67 to 2.87 mg/L. The results for alkalinity in all samples were greater than the LOQ; no qualifications were needed.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all parameters met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-04-04X (Lab Sample ID: 680-131949-5) was spiked and analyzed as matrix spike/duplicate samples for the wet chemistry parameters. The %Rs and RPDs for sulfide and TOC MS/MSDs were within control limits. The %R for nitrate/nitrite were below control limits. Sample results were non-detect result; matrix interferences are suspected.

Qualification: The non-detect results for nitrate/nitrite have been qualified as estimated (UJ).

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this data set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J-qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the indicated qualifications. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
680-131959-5	G6M-04-04X	Nitrate/Nitrite-N	0.05	UJ	0.05	UJ
680-131959-6	G6M-13-06X	Miscellaneous Parameters	No qualifications needed.			
680-131959-10	G6M-02-13X	Miscellaneous Parameters	No qualifications needed.			
680-131959-16	G6M-02-01X	Miscellaneous Parameters	No qualifications needed.			
680-131959-18	G6M-04-10X	Miscellaneous Parameters	No qualifications needed.			

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-1	G6M-96-22B	11/08/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-131959-1	G6M-96-22B	11/08/2016	6010C	7439-96-5	Manganese	6,500	ug/L		10	3	1	1
680-131959-1	G6M-96-22B	11/08/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-1	G6M-96-22B	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-1	G6M-96-22B	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-10	G6M-02-13X	11/08/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-131959-10	G6M-02-13X	11/08/2016	6010C	7439-89-6	Iron	7,700	ug/L		50	50	17	1
680-131959-10	G6M-02-13X	11/08/2016	6010C	7439-96-5	Manganese	12,000	ug/L		10	3	1	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-10	G6M-02-13X	11/08/2016	6020A	7440-38-2	Arsenic	110	ug/L		3	3	1.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	66	ug/L		2	1	0.74	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-10	G6M-02-13X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	65	ug/L		1	1	0.41	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	0.59	ug/L	J	1	1	0.37	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	79-01-6	Trichloroethene	9.7	ug/L		1	1	0.48	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	75-01-4	Vinyl chloride	23	ug/L		1	1	0.5	1
680-131959-10	G6M-02-13X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-10	G6M-02-13X	11/08/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-131959-10	G6M-02-13X	11/08/2016	9056A	14808-79-8	Sulfate	0.63	mg/L	J	1	1	0.4	1
680-131959-10	G6M-02-13X	11/08/2016	9060A	7440-44-0	Total Organic Carbon	1.7	mg/L		1	0.5	0.16	1
680-131959-10	G6M-02-13X	11/08/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-131959-10	G6M-02-13X	11/08/2016	RSK-175	74-85-1	Ethylene	7.8	ug/L		1	1	0.5	1

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680-131959-10	G6M-02-13X	11/08/2016	RSK-175	74-82-8	Methane (TCD)	1,500	ug/L		390	77	39	1
680-131959-10	G6M-02-13X	11/08/2016	SM 2320B		Alkalinity	190	mg/L		5	3.2	1.1	1
680-131959-11	G6M-02-04X	11/08/2016	6010C	7439-89-6	Iron	21,000	ug/L		50	50	17	1
680-131959-11	G6M-02-04X	11/08/2016	6010C	7439-96-5	Manganese	1,100	ug/L		10	3	1	1
680-131959-11	G6M-02-04X	11/08/2016	6020A	7440-38-2	Arsenic	470	ug/L		3	3	1.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.6	ug/L	J	2	1	0.74	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.2	ug/L		1	1	0.41	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-11	G6M-02-04X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-12	G6M-97-28X	11/08/2016	6010C	7439-89-6	Iron	2,200	ug/L		50	50	17	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-12	G6M-97-28X	11/08/2016	6010C	7439-96-5	Manganese	18,000	ug/L		10	3	1	1
680-131959-12	G6M-97-28X	11/08/2016	6020A	7440-38-2	Arsenic	27	ug/L		3	3	1.5	1
680-131959-13	G6M-02-03X	11/08/2016	6010C	7439-89-6	Iron	29	ug/L	J	50	50	17	1
680-131959-13	G6M-02-03X	11/08/2016	6010C	7439-96-5	Manganese	99	ug/L		10	3	1	1
680-131959-13	G6M-02-03X	11/08/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-14	G6M-04-22X	11/09/2016	6010C	7439-89-6	Iron	150,000	ug/L		50	50	17	1
680-131959-14	G6M-04-22X	11/09/2016	6010C	7439-96-5	Manganese	960	ug/L		10	3	1	1
680-131959-14	G6M-04-22X	11/09/2016	6020A	7440-38-2	Arsenic	650	ug/L		3	3	1.5	1
680-131959-15	G6M-04-01X	11/09/2016	6010C	7439-89-6	Iron	95,000	ug/L		50	50	17	1
680-131959-15	G6M-04-01X	11/09/2016	6010C	7439-96-5	Manganese	19,000	ug/L		10	3	1	1
680-131959-15	G6M-04-01X	11/09/2016	6020A	7440-38-2	Arsenic	320	ug/L		3	3	1.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	0.84	ug/L	J	2	1	0.74	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1

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680-131959-15	G6M-04-01X	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	0.84	ug/L	J	1	1	0.41	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1

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680-131959-15	G6M-04-01X	11/09/2016	8260B	79-01-6	Trichloroethene	0.68	ug/L	J	1	1	0.48	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-15	G6M-04-01X	11/09/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-16	G6M-02-01X	11/09/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-131959-16	G6M-02-01X	11/09/2016	6010C	7439-89-6	Iron	62,000	ug/L		50	50	17	1
680-131959-16	G6M-02-01X	11/09/2016	6010C	7439-96-5	Manganese	2,100	ug/L		10	3	1	1
680-131959-16	G6M-02-01X	11/09/2016	6020A	7440-38-2	Arsenic	430	ug/L		3	3	1.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-16	G6M-02-01X	11/09/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	0.69	ug/L	J	1	1	0.41	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-16	G6M-02-01X	11/09/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-16	G6M-02-01X	11/09/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-16	G6M-02-01X	11/09/2016	9034	18496-25-8	Sulfide	1.8	mg/L		1	1	1	1
680-131959-16	G6M-02-01X	11/09/2016	9056A	14808-79-8	Sulfate	1.0	mg/L	U	1	1	0.4	1
680-131959-16	G6M-02-01X	11/09/2016	9060A	7440-44-0	Total Organic Carbon	3.1	mg/L		1	0.5	0.16	1
680-131959-16	G6M-02-01X	11/09/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-131959-16	G6M-02-01X	11/09/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-131959-16	G6M-02-01X	11/09/2016	RSK-175	74-82-8	Methane (TCD)	18,000	ug/L		390	77	39	1
680-131959-16	G6M-02-01X	11/09/2016	SM 2320B		Alkalinity	140	mg/L		5	3.2	1.1	1
680-131959-17	G6M-04-09X	11/09/2016	6010C	7439-89-6	Iron	160,000	ug/L		50	50	17	1
680-131959-17	G6M-04-09X	11/09/2016	6010C	7439-96-5	Manganese	2,600	ug/L		10	3	1	1
680-131959-17	G6M-04-09X	11/09/2016	6020A	7440-38-2	Arsenic	430	ug/L		3	3	1.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-17	G6M-04-09X	11/09/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	0.67	ug/L	J	1	1	0.41	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	108-88-3	Toluene	0.56	ug/L	J	1	1	0.48	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-17	G6M-04-09X	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	75-01-4	Vinyl chloride	0.56	ug/L	J	1	1	0.5	1
680-131959-17	G6M-04-09X	11/09/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-18	G6M-04-10X	11/09/2016	353.2		Nitrate/Nitrite-N	0.58	mg/L		0.1	0.05	0.019	1
680-131959-18	G6M-04-10X	11/09/2016	6010C	7439-89-6	Iron	36	ug/L	J	50	50	17	1
680-131959-18	G6M-04-10X	11/09/2016	6010C	7439-96-5	Manganese	420	ug/L		10	3	1	1
680-131959-18	G6M-04-10X	11/09/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1

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680-131959-18	G6M-04-10X	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	127-18-4	Tetrachloroethene	2.1	ug/L		1	1	0.74	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1

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680-131959-18	G6M-04-10X	11/09/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-18	G6M-04-10X	11/09/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-18	G6M-04-10X	11/09/2016	9034	18496-25-8	Sulfide	2.2	mg/L		1	1	1	1
680-131959-18	G6M-04-10X	11/09/2016	9056A	14808-79-8	Sulfate	32	mg/L		1	1	0.4	1
680-131959-18	G6M-04-10X	11/09/2016	9060A	7440-44-0	Total Organic Carbon	0.72	mg/L	J	1	0.5	0.16	1
680-131959-18	G6M-04-10X	11/09/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-131959-18	G6M-04-10X	11/09/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-131959-18	G6M-04-10X	11/09/2016	RSK-175	74-82-8	Methane	170	ug/L		0.58	0.58	0.29	1
680-131959-18	G6M-04-10X	11/09/2016	SM 2320B		Alkalinity	10	mg/L		5	3.2	1.1	1
680-131959-2	G6M-96-22A	11/08/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-131959-2	G6M-96-22A	11/08/2016	6010C	7439-96-5	Manganese	2,300	ug/L		10	3	1	1
680-131959-2	G6M-96-22A	11/08/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-2	G6M-96-22A	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-2	G6M-96-22A	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-2	G6M-96-22A	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-3	G6M-95-20X	11/08/2016	6010C	7439-89-6	Iron	14,000	ug/L		50	50	17	1
680-131959-3	G6M-95-20X	11/08/2016	6010C	7439-96-5	Manganese	940	ug/L		10	3	1	1
680-131959-3	G6M-95-20X	11/08/2016	6020A	7440-38-2	Arsenic	26	ug/L		3	3	1.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1

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680-131959-3	G6M-95-20X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	127-18-4	Tetrachloroethene	0.82	ug/L	J	1	1	0.74	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-3	G6M-95-20X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L		1	1	0.48	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-3	G6M-95-20X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-4	G6M-95-19X	11/08/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-131959-4	G6M-95-19X	11/08/2016	6010C	7439-96-5	Manganese	760	ug/L		10	3	1	1
680-131959-4	G6M-95-19X	11/08/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1

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680-131959-4	G6M-95-19X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.6	ug/L		1	1	0.74	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-4	G6M-95-19X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-4	G6M-95-19X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-5	G6M-04-04X	11/08/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U J	0.1	0.05	0.019	1
680-131959-5	G6M-04-04X	11/08/2016	6010C	7439-89-6	Iron	120,000	ug/L		50	50	17	1
680-131959-5	G6M-04-04X	11/08/2016	6010C	7439-96-5	Manganese	9,700	ug/L		10	3	1	1
680-131959-5	G6M-04-04X	11/08/2016	6020A	7440-38-2	Arsenic	530	ug/L		3	3	1.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.6	ug/L	J	2	1	0.74	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1

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680-131959-5	G6M-04-04X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	0.43	ug/L	J	1	1	0.41	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.2	ug/L		1	1	0.37	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-5	G6M-04-04X	11/08/2016	8260B	75-01-4	Vinyl chloride	0.57	ug/L	J	1	1	0.5	1

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680-131959-5	G6M-04-04X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-5	G6M-04-04X	11/08/2016	9034	18496-25-8	Sulfide	4.4	mg/L		1	1	1	1
680-131959-5	G6M-04-04X	11/08/2016	9056A	14808-79-8	Sulfate	1.0	mg/L	U	1	1	0.4	1
680-131959-5	G6M-04-04X	11/08/2016	9060A	7440-44-0	Total Organic Carbon	7.3	mg/L		1	0.5	0.16	1
680-131959-5	G6M-04-04X	11/08/2016	RSK-175	74-84-0	Ethane	3.0	ug/L		1.1	1.1	0.55	1
680-131959-5	G6M-04-04X	11/08/2016	RSK-175	74-85-1	Ethylene	38	ug/L		1	1	0.5	1
680-131959-5	G6M-04-04X	11/08/2016	RSK-175	74-82-8	Methane (TCD)	20,000	ug/L		390	77	39	1
680-131959-5	G6M-04-04X	11/08/2016	SM 2320B		Alkalinity	180	mg/L		5	3.2	1.1	1
680-131959-6	G6M-13-06X	11/08/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U J	0.1	0.05	0.019	1
680-131959-6	G6M-13-06X	11/08/2016	6010C	7439-89-6	Iron	250,000	ug/L		50	50	17	1
680-131959-6	G6M-13-06X	11/08/2016	6010C	7439-96-5	Manganese	9,600	ug/L		10	3	1	1
680-131959-6	G6M-13-06X	11/08/2016	6020A	7440-38-2	Arsenic	470	ug/L		3	3	1.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	10	ug/L		2	1	0.74	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	82	ug/L		10	10	3.4	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-6	G6M-13-06X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	67-64-1	Acetone	18	ug/L		10	10	7	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	9.8	ug/L		1	1	0.41	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	100-41-4	Ethylbenzene	18	ug/L		1	0.5	0.33	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	0.46	ug/L	J	1	1	0.35	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	108-88-3	Toluene	2.9	ug/L		1	1	0.48	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	0.55	ug/L	J	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-6	G6M-13-06X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	75-01-4	Vinyl chloride	7.7	ug/L		1	1	0.5	1
680-131959-6	G6M-13-06X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.46	ug/L	J	2	0.5	0.23	1
680-131959-6	G6M-13-06X	11/08/2016	9034	18496-25-8	Sulfide	5.8	mg/L		1	1	1	1
680-131959-6	G6M-13-06X	11/08/2016	9056A	14808-79-8	Sulfate	1.0	mg/L	U	1	1	0.4	1
680-131959-6	G6M-13-06X	11/08/2016	9060A	7440-44-0	Total Organic Carbon	55	mg/L		2	1	0.31	2
680-131959-6	G6M-13-06X	11/08/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-131959-6	G6M-13-06X	11/08/2016	RSK-175	74-85-1	Ethylene	23	ug/L		1	1	0.5	1
680-131959-6	G6M-13-06X	11/08/2016	RSK-175	74-82-8	Methane (TCD)	11,000	ug/L		390	77	39	1
680-131959-6	G6M-13-06X	11/08/2016	SM 2320B		Alkalinity	560	mg/L		5	3.2	1.1	1
680-131959-7	G6M-93-13X	11/08/2016	6010C	7439-89-6	Iron	150	ug/L		50	50	17	1
680-131959-7	G6M-93-13X	11/08/2016	6010C	7439-96-5	Manganese	230	ug/L		10	3	1	1
680-131959-7	G6M-93-13X	11/08/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1

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680-131959-7	G6M-93-13X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	67-64-1	Acetone	28	ug/L		10	10	7	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1

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680-131959-7	G6M-93-13X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-7	G6M-93-13X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-8	Trip Blank	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-8	Trip Blank	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-8	Trip Blank	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-8	Trip Blank	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-8	Trip Blank	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-8	Trip Blank	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-8	Trip Blank	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-8	Trip Blank	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-8	Trip Blank	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-8	Trip Blank	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-131959-8	Trip Blank	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-8	Trip Blank	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-8	Trip Blank	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-8	Trip Blank	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-8	Trip Blank	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-8	Trip Blank	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-8	Trip Blank	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-8	Trip Blank	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-8	Trip Blank	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-8	Trip Blank	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-8	Trip Blank	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-8	Trip Blank	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-8	Trip Blank	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-8	Trip Blank	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-8	Trip Blank	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-8	Trip Blank	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-8	Trip Blank	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-8	Trip Blank	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-8	Trip Blank	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-8	Trip Blank	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-8	Trip Blank	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-131959-8	Trip Blank	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-8	Trip Blank	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-8	Trip Blank	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-8	Trip Blank	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-8	Trip Blank	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-8	Trip Blank	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-8	Trip Blank	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-8	Trip Blank	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-8	Trip Blank	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-8	Trip Blank	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-8	Trip Blank	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-8	Trip Blank	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-8	Trip Blank	11/08/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-131959-8	Trip Blank	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-8	Trip Blank	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-8	Trip Blank	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-8	Trip Blank	11/08/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-8	Trip Blank	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-8	Trip Blank	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-8	Trip Blank	11/08/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-131959-8	Trip Blank	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-131959-9	G6M-13-02X	11/08/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-131959-9	G6M-13-02X	11/08/2016	6010C	7439-96-5	Manganese	4.7	ug/L	J	10	3	1	1
680-131959-9	G6M-13-02X	11/08/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	540-59-0	1,2-Dichloroethene, Total	38	ug/L		2	1	0.74	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	156-59-2	cis-1,2-Dichloroethene	38	ug/L		1	1	0.41	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	127-18-4	Tetrachloroethene	84	ug/L		1	1	0.74	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	79-01-6	Trichloroethene	27	ug/L		1	1	0.48	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-131959-9	G6M-13-02X	11/08/2016	8260B	75-01-4	Vinyl chloride	0.93	ug/L	J	1	1	0.5	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-131959-9	G6M-13-02X	11/08/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1

Notes:

µg/L = microgram per liter

mg/L = milligram per liter

U = non-detect

UJ = Estimated non-detect

J = Estimated result

LOQ = Limit of quantitation

LOD = Limit of Detection

MDL = Method Detection Limit

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132062
Laboratory: Test America-Savannah, GA	Date: 12/09/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132062-1	G6M-04-11X	11/10/2016	VOCs	Groundwater
680-132062-3	G6M-04-15X	11/10/2016	VOCs	Groundwater
680-132062-4	G6M-03-07X	11/10/2016	VOCs	Groundwater
680-132062-5	G6M-13-03X	11/10/2016	VOCs	Groundwater
680-132062-6	G6M-04-10A	11/09/2016	VOCs	Groundwater
680-132062-7	G6M-07-02X	11/09/2016	VOCs	Groundwater
680-132062-8	DUP-5	11/09/2016	VOCs	Groundwater
680-132062-9	G6M-04-13X	11/10/2016	VOCs	Groundwater
680-132062-10	Trip Blank	11/10/2016	VOCs	Groundwater
680-132062-11	G6M-02-08X	11/10/2016	VOCs	Groundwater
680-132062-12	G6M-03-01X	11/10/2016	VOCs	Groundwater
680-132062-13	DUP-1	11/10/2016	VOCs	Groundwater
680-132062-14	G6M-13-01X	11/11/2016	VOCs	Groundwater
680-132062-15	G6M-13-04X	11/11/2016	VOCs	Groundwater
680-132062-16	MW-3	11/11/2016	VOCs	Groundwater
680-132062-17	G6M-13-05X	11/10/2016	VOCs	Groundwater
680-132062-18	G6M-03-02X	11/10/2016	VOCs	Groundwater
680-132062-19	G6M-04-03X	11/10/2016	VOCs	Groundwater
680-132062-20	DUP-3	11/10/2016	VOCs	Groundwater
680-132062-21	G6M-04-02X	11/10/2016	VOCs	Groundwater
680-132062-22	DUP-2	11/10/2016	VOCs	Groundwater
680-132062-23	G6M-04-14X	11/11/2016	VOCs	Groundwater
680-132062-24	G6M-02-07X	11/11/2016	VOCs	Groundwater
680-132062-25	XSA-12-98X	11/11/2016	VOCs	Groundwater
680-132062-26	DUP-4	11/11/2016	VOCs	Groundwater
680-132062-27	G6M-02-06X	11/11/2016	VOCs	Groundwater

Summary - Data validation was performed on the data for twenty (20) groundwater samples, five (5) field duplicate samples and one (1) trip blank sample collected from AOC 50 and submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD

Narrative and Completeness Review – The case narrative and data package were checked for completeness. Lab sample ID 680-132062-25 was logged in with a field sample ID of G6M-12-98X due to an incorrect entry on the COC. The field sample ID should be XSA-12-98X; the correct

field sample ID has been corrected in the reported data tables. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/12/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

GC/MS Tuning - All the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 11/16/2016 (Analytical batch 458077) exhibited acceptable %RSDS (≤30%) for and average RRF (>0.050) values for all target compounds.

Qualification: None required.

Initial Calibration Verification (ICV): - Initial calibration verification analyzed on 11/17/2016 (ICV 680-458077/21) exhibited acceptable %Ds (≤25.0%).

Qualification: None required.

Continuing Calibration Verification (CCV): - The %Ds for the CCVs analyzed on 11/22/2016 (CCV 680-458713/2 & /3) and 11/23/2016 (CCV 680-458894/2 & /3) were within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Internal Standard (IS) Area Performance: - All samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

LCS/LCSD – Percent recoveries and RPDs for the LCS/LCDSs analyzed on 11/22 and 11/23/2016 with these samples were within control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – Carbon disulfide was reported at 0.732 µg/L in the method blank (MB 680-458718/9) analyzed on 11/22/2016. The remaining method blanks prepared and analyzed with these samples were free of contamination.

Qualification: The low-level results for carbon disulfide in associated samples were qualified as non-detect (see summary table).

Field Blanks – One Trip Blank sample (Lab Sample IDs: 680-132062-10) was submitted with these samples. Target VOCs were non-detect in the TB sample.

Qualification: None required.

Field Duplicate – Five sets of field duplicate samples were submitted with these samples. The FD sample pairs and the detected VOC results in all FD samples are summarized in the table below.

	G6M-03-01X	DUP-1	
	680-132062-12	680-132062-13	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
1,1-Dichloroethene	1.4	1.4	0
1,2-Dichloroethene, Total	180	180	0
2-Butanone (MEK)	17	9.8	53.7
Acetone	15	14	6.9
cis-1,2-Dichloroethene	180	180	0
m-Xylene & p-Xylene	0.71	0.73	2.78
o-Xylene	0.31	0.29	6.67
Toluene	0.89	0.55	47.2
trans-1,2-Dichloroethene	4	4.1	2.47
Trichloroethene	130	130	0
Vinyl chloride	140	140	0
Xylenes, Total	1.0	1.0	0
	G6M-04-03X	DUP-3	
	680-132062-19	680-132062-20	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
1,2,4-Trimethylbenzene	0.89	0.9	1.12
1,2-Dichloroethene, Total	6.1	6.7	9.38
1,3,5-Trimethylbenzene	0.43	0.45	4.55
cis-1,2-Dichloroethene	5.8	6.4	9.84
Trichloroethene	0.65	0.51	24.1
Vinyl chloride	4.1	3.8	7.59
	G6M-04-02X	DUP-2	
	680-132062-21	680-132062-22	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
1,2-Dichloroethene, Total	58	55	5.31
cis-1,2-Dichloroethene	58	55	5.31
Tetrachloroethene	160	150	6.45
Trichloroethene	60	64	6.45
Vinyl chloride	8.4	8.5	1.18

	XSA-12-98X	DUP-4	
	680-132062-25	680-132062-26	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
1,2-Dichloroethene, Total	0.81	0.77	5.06
cis-1,2-Dichloroethene	0.81	0.77	5.06
Tetrachloroethene	5.6	6.0	6.9
Trichloroethene	0.69	0.68	1.46
	G6M-07-02X	DUP-5	
	680-132062-7	680-132062-8	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Tetrachloroethene	3,200	3,000	6.45

Qualification: The % RPD between low level results for 2-butanone and toluene in the FD samples pair G6M-03-01X and Dup-1 (Lab Sample IDs: 680-132062-12 and -13) were above 30%; the results for these compounds were qualified as estimated (J).

Compound Quantitation – Samples G6M-07-02X, DUP-5 and G6M-13-05X (Lab Sample IDS: 680-132062-7, -8 and -17) were analyzed at 20X and 10X dilutions due to high level of target compounds. Reporting limits for these samples were elevated accordingly. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable and may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualified
680-132062-1	G6M-04-11X	Carbon disulfide	0.44	J	2.0	U
680-132062-3	G6M-04-15X	Carbon disulfide	0.46	J	2.0	U
680-132062-4	G6M-03-07X	Carbon disulfide	0.46	J	2.0	U
680-132062-5	G6M-13-03X	VOCs	No qualifications needed.			
680-132062-6	G6M-04-10A	VOCs	No qualifications needed.			
680-132062-7	G6M-07-02X	VOCs	No qualifications needed.			
680-132062-8	DUP-5	VOCs	No qualifications needed.			
680-132062-9	G6M-04-13X	VOCs	No qualifications needed.			
680-132062-10	Trip Blank	Carbon disulfide	0.5	J	2.0	U
680-132062-11	G6M-02-08X	Carbon disulfide	0.52	J	2.0	U
680-132062-12	G6M-03-01X	2-Butanone (MEK)	17		17	J
680-132062-12	G6M-03-01X	Toluene	0.89	J	0.89	J
680-132062-13	DUP-1	2-Butanone (MEK)	9.8	J	9.8	J
680-132062-13	DUP-1	Toluene	0.55	J	0.55	J
680-132062-14	G6M-13-01X	VOCs	No qualifications needed.			
680-132062-15	G6M-13-04X	VOCs	No qualifications needed.			
680-132062-16	MW-3	VOCs	No qualifications needed.			
680-132062-17	G6M-13-05X	VOCs	No qualifications needed.			

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualified
680-132062-18	G6M-03-02X	VOCs	No qualifications needed.			
680-132062-19	G6M-04-03X	VOCs	No qualifications needed.			
680-132062-20	DUP-3	VOCs	No qualifications needed.			
680-132062-21	G6M-04-02X	VOCs	No qualifications needed.			
680-132062-22	DUP-2	VOCs	No qualifications needed.			
680-132062-23	G6M-04-14X	VOCs	No qualifications needed.			
680-132062-24	G6M-02-07X	VOCs	No qualifications needed.			
680-132062-25	XSA-12-98X	VOCs	No qualifications needed.			
680-132062-26	DUP-4	VOCs	No qualifications needed.			
680-132062-27	G6M-02-06X	VOCs	No qualifications needed.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132062
Laboratory: Test America-Savannah, GA	Date: 12/9/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132062-4	G6M-03-07X	11/10/2016	RSK-175	Groundwater
680-132062-6	G6M-04-10A	11/09/2016	RSK-175	Groundwater
680-132062-7	G6M-07-02X	11/09/2016	RSK-175	Groundwater
680-132062-8	DUP-5	11/09/2016	RSK-175	Groundwater
680-132062-11	G6M-02-08X	11/10/2016	RSK-175	Groundwater
680-132062-15	G6M-13-04X	11/11/2016	RSK-175	Groundwater
680-132062-16	MW-3	11/11/2016	RSK-175	Groundwater
680-132062-18	G6M-03-02X	11/10/2016	RSK-175	Groundwater
680-132062-19	G6M-04-03X	11/10/2016	RSK-175	Groundwater
680-132062-20	DUP-3	11/10/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and two (2) field duplicate samples submitted for Methane, Ethane, Ethylene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/12/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

LCS/LCSD – The LCS/LCSD samples (LCS 680-458741/15 & 16) analyzed on 11/22/2016 reported with these samples met the %R and RPD control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blank (MS 680-458741/18) analyzed on 11/22/2016 with these samples were free of contamination.

Qualification: None required.

Field Duplicate – Two field duplicate samples were submitted with this sample set. The FD sample pairs and the detected MEE results for the FD samples are summarized in the table below.

	G6M-04-03X	DUP-3	
	680-132062-19	680-132062-20	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Ethylene	25	18	32.5
Methane	20,000	16,000	22.2
	G6M-07-02X	DUP-5	
	680-132062-7	680-132062-8	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Methane	100	100	0

Qualification: The detected results for ethylene in the FD sample pair G6M-04-03X/Dup-3 (Lab Sample IDs: 680-132062-19 and -20) were above 30%; these results have been qualified as estimated (J).

Compound Quantitation – The Flame Ionization Detector (FID) is used as the primary detector for methane, ethane, and ethene and is more sensitive than the Thermal Conductivity Detector (TCD). The TCD is used as the secondary detector for methane only. When the concentration of methane is above the calibration range of the FID, the TCD results are reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable with the noted qualifications and the data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Method or Compound	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-132062-4	G6M-03-07X	RSK-175	No qualifications needed.			
680-132062-6	G6M-04-10A	RSK-175	No qualifications needed.			
680-132062-7	G6M-07-02X	RSK-175	No qualifications needed.			
680-132062-8	DUP-5	RSK-175	No qualifications needed.			
680-132062-11	G6M-02-08X	RSK-175	No qualifications needed.			
680-132062-15	G6M-13-04X	RSK-175	No qualifications needed.			
680-132062-16	MW-3	RSK-175	No qualifications needed.			
680-132062-18	G6M-03-02X	RSK-175	No qualifications needed.			
680-132062-19	G6M-04-03X	Ethylene	25		25	J
680-132062-20	DUP-3	Ethylene	18		18	J

Dissolved Metals
SW 846/6010C/6020A
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132062
Laboratory: Test America-Savannah, GA	Date: 12/09/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132062-2	G6M-04-31X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-3	G6M-04-15X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-4	G6M-03-07X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-5	G6M-13-03X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-6	G6M-04-10A	11/09/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-7	G6M-07-02X	11/09/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-8	DUP-5	11/09/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-9	G6M-04-13X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-11	G6M-02-08X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-14	G6M-13-01X	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-15	G6M-13-04X	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-16	MW-3	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-17	G6M-13-05X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-18	G6M-03-02X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-19	G6M-04-03X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-20	DUP-3	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-21	G6M-04-02X	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-22	DUP-2	11/10/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-23	G6M-04-14X	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-24	G6M-02-07X	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-25	XSA-12-98X	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-26	DUP-4	11/11/2016	Dissolved As, Fe and Mn	Groundwater
680-132062-27	G6M-02-06X	11/11/2016	Dissolved As, Fe and Mn	Groundwater

Summary – Data validation was performed on the data for nineteen (19) groundwater samples and four (4) field duplicate samples collected from AOC 50 and submitted for dissolved arsenic, iron and manganese analyses. Iron and Manganese were analyzed and reported by method SW6010B and arsenic was analyzed and reported by method SW6020A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. Lab sample ID 680-132062-25 was logged in with a field sample ID of G6M-12-98X due to an incorrect entry on the COC. The field sample ID should be XSA-12-98X; the correct field sample ID has been corrected in the reported data tables. No other discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/12/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries (%R) for the reported target analytes met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Several sets of matrix spike/matrix spike duplicate samples were prepared and analyzed with this sample set. Some sample results for arsenic, iron and/or manganese were greater than four (4) times the spike levels. The %Rs and calculated RPDs for recoverable analytes were within control limits.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Field Duplicate – Four field duplicate samples were submitted with this sample set. The FD sample pairs and the detected analytes in all FD samples are summarized in the table below.

	G6M-04-03X	DUP-3	
	680-132062-19	680-132062-20	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Arsenic	380	410	7.6
Iron	110,000	110,000	0
Manganese	31,000	33,000	6.3
	G6M-04-02X	DUP-2	
	680-132062-21	680-132062-22	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Arsenic	180	170	5.7
Iron	48,000	45,000	6.5
Manganese	9,100	8,000	12.8

	XSA-12-98X	DUP-4	
	680-132062-25	680-132062-26	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Iron	95	220	79.4
Manganese	3.1	3.8	20.2
	G6M-07-02X	DUP-5	
	680-132062-7	680-132062-8	
Analyte	**Result (µg/L)**	**Result (µg/L)**	**RPD (%)**
Iron	100	98	2.0
Manganese	41	40	2.5

Qualification: The % RPD for iron in the FD sample pair; XSA-12-98X/Dup-4 (Lab Sample IDs: 680-132062-25/-26) was above 30%. The results for iron in this FD sample pair were qualified as estimated (J).

Compound Quantitation – Samples G6M-04-03X and Dup-3 (Lab Sample IDs: 680-132062-19 and -20) were analyzed at a 10 times dilution due to high levels of manganese. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in SDG 131949 are acceptable as reported and the data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-132062-2	G6M-04-31X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-3	G6M-04-15X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-4	G6M-03-07X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-5	G6M-13-03X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-6	G6M-04-10A	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-7	G6M-07-02X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-8	DUP-5	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-9	G6M-04-13X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-11	G6M-02-08X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-14	G6M-13-01X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-15	G6M-13-04X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-16	MW-3	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-17	G6M-13-05X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-18	G6M-03-02X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-19	G6M-04-03X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-20	DUP-3	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-21	G6M-04-02X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-22	DUP-2	Dissolved As, Fe and Mn	No qualifications needed.			

Lab Sample ID	Client Sample ID	Analysis	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-132062-23	G6M-04-14X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-24	G6M-02-07X	Dissolved As, Fe and Mn	No qualifications needed.			
680-132062-25	XSA-12-98X	Iron	95		95	J
680-132062-26	DUP-4	Iron	220		220	J
680-132062-27	G6M-02-06X	Dissolved As, Fe and Mn	No qualifications needed.			

Miscellaneous Parameters

Alkalinity (SM2320B), Nitrogen/nitrate (E353.2), Sulfate (SW9056A), Sulfide (SW9034) and Total Organic Carbon (TOC) (SW9060A)

USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132062
Laboratory: Test America-Savannah, GA	Date: 12/12/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132062-4	G6M-03-07X	11/10/2016	Miscellaneous Parameters	Groundwater
680-132062-6	G6M-04-10A	11/09/2016	Miscellaneous Parameters	Groundwater
680-132062-7	G6M-07-02X	11/09/2016	Miscellaneous Parameters	Groundwater
680-132062-8	DUP-5	11/09/2016	Miscellaneous Parameters	Groundwater
680-132062-11	G6M-02-08X	11/10/2016	Miscellaneous Parameters	Groundwater
680-132062-15	G6M-13-04X	11/11/2016	Miscellaneous Parameters	Groundwater
680-132062-16	MW-3	11/11/2016	Miscellaneous Parameters	Groundwater
680-132062-18	G6M-03-02X	11/10/2016	Miscellaneous Parameters	Groundwater
680-132062-19	G6M-04-03X	11/10/2016	Miscellaneous Parameters	Groundwater
680-132062-20	DUP-3	11/10/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples and two (2) field duplicate samples collected and submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for alkalinity, nitrate/nitrite and TOC analyses were shipped to Test America-Denver for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 11/12/2016 in acceptable condition and temperature, and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for nitrate/nitrite, sulfide, TOC and sulfate were free from contamination. Alkalinity was reported in associated MB samples at low levels ranging from 1.67 to 3.15 mg/L. The results for alkalinity in all samples were greater than the LOQ; no qualifications were needed.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all parameters met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-03-07X (Lab Sample ID: 680-132062-4) was spiked and analyzed as matrix spike/duplicate samples for nitrate/nitrite and sulfate analyses. The MS/MSD %Rs and RPDs were within controls limits for sulfate. The MS/MSD %Rs for nitrate/nitrite were below control limits. Sample results were non-detect result; matrix interferences are suspected.

Qualification: The non-detect results for nitrate/nitrite have been qualified as estimated (UJ).

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Two field duplicate samples were submitted with this data set. The FD sample pairs and the detected MEE results for the FD samples are summarized in the table below.

	G6M-04-03X	DUP-3	
	680-132062-19	680-132062-20	
Analyte	**Result (mg/L)**	**Result (mg/L)**	**RPD (%)**
Sulfate	2.2	2.0	9.5
TOC	9.8	11	11.5
Alkalinity	390	400	2.5
	G6M-07-02X	DUP-5	
	680-132062-7	680-132062-8	
Analyte	**Result (mg/L)**	**Result (mg/L)**	**RPD (%)**
Nitrate/Nitrite-N	0.062	0.067	7.8
Sulfate	6.0	6.0	0
TOC	0.93	0.92	1.1
Alkalinity	15	15	0

Qualification: None required.

Compound Quantitation – Samples G6M-02-08X and G6M-03-02X (Lab Sample IDs: 680-132062011 and -18) were analyzed at dilutions due to high levels of TOC. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J- qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable with the indicated qualifications. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
680-132062-4	G6M-03-07X	Nitrate/Nitrite-N	0.05	UJ	0.05	UJ
680-132062-6	G6M-04-10A	Miscellaneous Parameters	No qualifications needed.			
680-132062-7	G6M-07-02X	Miscellaneous Parameters	No qualifications needed.			
680-132062-8	DUP-5	Miscellaneous Parameters	No qualifications needed.			
680-132062-11	G6M-02-08X	Miscellaneous Parameters	No qualifications needed.			
680-132062-15	G6M-13-04X	Miscellaneous Parameters	No qualifications needed.			

Lab Sample ID	Client Sample ID	Analysis	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
680-132062-16	MW-3	Miscellaneous Parameters	No qualifications needed.			
680-132062-18	G6M-03-02X	Miscellaneous Parameters	No qualifications needed.			
680-132062-19	G6M-04-03X	Miscellaneous Parameters	No qualifications needed.			
680-132062-20	DUP-3	Miscellaneous Parameters	No qualifications needed.			

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-1	G6M-04-11X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-1	G6M-04-11X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-1	G6M-04-11X	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-10	Trip Blank	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-10	Trip Blank	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-10	Trip Blank	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-10	Trip Blank	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-10	Trip Blank	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-10	Trip Blank	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-10	Trip Blank	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-10	Trip Blank	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-10	Trip Blank	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-10	Trip Blank	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-10	Trip Blank	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132062-10	Trip Blank	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-10	Trip Blank	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-10	Trip Blank	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-10	Trip Blank	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-10	Trip Blank	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-10	Trip Blank	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-10	Trip Blank	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-10	Trip Blank	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-10	Trip Blank	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-10	Trip Blank	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-10	Trip Blank	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-10	Trip Blank	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-10	Trip Blank	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-10	Trip Blank	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-10	Trip Blank	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-10	Trip Blank	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-10	Trip Blank	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-10	Trip Blank	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-10	Trip Blank	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-10	Trip Blank	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-10	Trip Blank	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132062-10	Trip Blank	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-10	Trip Blank	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-10	Trip Blank	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-10	Trip Blank	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-10	Trip Blank	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-10	Trip Blank	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-10	Trip Blank	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-10	Trip Blank	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-10	Trip Blank	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-10	Trip Blank	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-10	Trip Blank	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-10	Trip Blank	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-10	Trip Blank	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-10	Trip Blank	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-10	Trip Blank	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-10	Trip Blank	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-10	Trip Blank	11/10/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-10	Trip Blank	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-10	Trip Blank	11/10/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-10	Trip Blank	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-11	G6M-02-08X	11/10/2016	353.2		Nitrate/Nitrite-N	**0.05**	mg/L	J	0.1	0.05	0.019	1
680-132062-11	G6M-02-08X	11/10/2016	6010C	7439-89-6	Iron	**880,000**	ug/L		50	50	17	1
680-132062-11	G6M-02-08X	11/10/2016	6010C	7439-96-5	Manganese	**8,600**	ug/L		10	3	1	1
680-132062-11	G6M-02-08X	11/10/2016	6020A	7440-38-2	Arsenic	**230**	ug/L		3	3	1.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**27**	ug/L		2	1	0.74	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-11	G6M-02-08X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	**840**	ug/L		10	10	3.4	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	591-78-6	2-Hexanone	**190**	ug/L		10	5	2	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	67-64-1	Acetone	**180**	ug/L		10	10	7	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**27**	ug/L		1	1	0.41	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	**0.49**	ug/L	J	1	1	0.35	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-11	G6M-02-08X	11/10/2016	8260B	95-47-6	o-Xylene	**0.26**	ug/L	J	1	0.5	0.23	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	127-18-4	Tetrachloroethene	**4.3**	ug/L		1	1	0.74	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	108-88-3	Toluene	**67**	ug/L		1	1	0.48	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	75-01-4	Vinyl chloride	**2.1**	ug/L		1	1	0.5	1
680-132062-11	G6M-02-08X	11/10/2016	8260B	1330-20-7	Xylenes, Total	**0.75**	ug/L	J	2	0.5	0.23	1
680-132062-11	G6M-02-08X	11/10/2016	9034	18496-25-8	Sulfide	**7.0**	mg/L		1	1	1	1
680-132062-11	G6M-02-08X	11/10/2016	9056A	14808-79-8	Sulfate	**0.58**	mg/L	J	1	1	0.4	1
680-132062-11	G6M-02-08X	11/10/2016	9060A	7440-44-0	Total Organic Carbon	**2,100**	mg/L		50	25	7.8	50
680-132062-11	G6M-02-08X	11/10/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-11	G6M-02-08X	11/10/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-132062-11	G6M-02-08X	11/10/2016	RSK-175	74-82-8	Methane (TCD)	**11,000**	ug/L		390	77	39	1
680-132062-11	G6M-02-08X	11/10/2016	SM 2320B		Alkalinity	**1,000**	mg/L		5	3.2	1.1	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	**1.4**	ug/L		1	1	0.36	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**180**	ug/L		2	1	0.74	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-12	G6M-03-01X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	**17**	ug/L		10	10	3.4	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	591-78-6	2-Hexanone	**11**	ug/L		10	5	2	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	67-64-1	Acetone	**15**	ug/L		10	10	7	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**180**	ug/L		1	1	0.41	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	**0.71**	ug/L	J	1	1	0.35	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	95-47-6	o-Xylene	**0.31**	ug/L	J	1	0.5	0.23	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-12	G6M-03-01X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	108-88-3	Toluene	**0.89**	ug/L	J	1	1	0.48	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	**4.0**	ug/L		1	1	0.37	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	79-01-6	Trichloroethene	**130**	ug/L		1	1	0.48	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	75-01-4	Vinyl chloride	**140**	ug/L		1	1	0.5	1
680-132062-12	G6M-03-01X	11/10/2016	8260B	1330-20-7	Xylenes, Total	**1.0**	ug/L	J	2	0.5	0.23	1
680-132062-13	DUP-1	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-13	DUP-1	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-13	DUP-1	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-13	DUP-1	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-13	DUP-1	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-13	DUP-1	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	**1.4**	ug/L		1	1	0.36	1
680-132062-13	DUP-1	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-13	DUP-1	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-13	DUP-1	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-13	DUP-1	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-13	DUP-1	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-13	DUP-1	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-13	DUP-1	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**180**	ug/L		2	1	0.74	1
680-132062-13	DUP-1	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-13	DUP-1	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-13	DUP-1	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-13	DUP-1	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-13	DUP-1	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-13	DUP-1	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-13	DUP-1	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	**9.8**	ug/L	J	10	10	3.4	1
680-132062-13	DUP-1	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-13	DUP-1	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-13	DUP-1	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-13	DUP-1	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-13	DUP-1	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-13	DUP-1	11/10/2016	8260B	67-64-1	Acetone	**14**	ug/L		10	10	7	1
680-132062-13	DUP-1	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-13	DUP-1	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-13	DUP-1	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-13	DUP-1	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-13	DUP-1	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-13	DUP-1	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-13	DUP-1	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-13	DUP-1	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-13	DUP-1	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-13	DUP-1	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-13	DUP-1	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**180**	ug/L		1	1	0.41	1
680-132062-13	DUP-1	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-13	DUP-1	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-13	DUP-1	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-13	DUP-1	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-13	DUP-1	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-13	DUP-1	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-13	DUP-1	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-13	DUP-1	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-13	DUP-1	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	**0.73**	ug/L	J	1	1	0.35	1
680-132062-13	DUP-1	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-13	DUP-1	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-13	DUP-1	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-13	DUP-1	11/10/2016	8260B	95-47-6	o-Xylene	**0.29**	ug/L	J	1	0.5	0.23	1
680-132062-13	DUP-1	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-13	DUP-1	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-13	DUP-1	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-13	DUP-1	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-13	DUP-1	11/10/2016	8260B	108-88-3	Toluene	**0.55**	ug/L	J	1	1	0.48	1
680-132062-13	DUP-1	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	**4.1**	ug/L		1	1	0.37	1
680-132062-13	DUP-1	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-13	DUP-1	11/10/2016	8260B	79-01-6	Trichloroethene	**130**	ug/L		1	1	0.48	1
680-132062-13	DUP-1	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-13	DUP-1	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-13	DUP-1	11/10/2016	8260B	75-01-4	Vinyl chloride	**140**	ug/L		1	1	0.5	1
680-132062-13	DUP-1	11/10/2016	8260B	1330-20-7	Xylenes, Total	**1.0**	ug/L	J	2	0.5	0.23	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-14	G6M-13-01X	11/11/2016	6010C	7439-89-6	Iron	**1,200**	ug/L		50	50	17	1
680-132062-14	G6M-13-01X	11/11/2016	6010C	7439-96-5	Manganese	**29**	ug/L		10	3	1	1
680-132062-14	G6M-13-01X	11/11/2016	6020A	7440-38-2	Arsenic	**3.5**	ug/L		3	3	1.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**6.5**	ug/L		2	1	0.74	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-14	G6M-13-01X	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**6.5**	ug/L		1	1	0.41	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	127-18-4	Tetrachloroethene	**27**	ug/L		1	1	0.74	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	79-01-6	Trichloroethene	**3.5**	ug/L		1	1	0.48	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	75-01-4	Vinyl chloride	**2.8**	ug/L		1	1	0.5	1
680-132062-14	G6M-13-01X	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-15	G6M-13-04X	11/11/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132062-15	G6M-13-04X	11/11/2016	6010C	7439-89-6	Iron	**28,000**	ug/L		50	50	17	1
680-132062-15	G6M-13-04X	11/11/2016	6010C	7439-96-5	Manganese	**7,600**	ug/L		10	3	1	1
680-132062-15	G6M-13-04X	11/11/2016	6020A	7440-38-2	Arsenic	**340**	ug/L		3	3	1.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-15	G6M-13-04X	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	**0.62**	ug/L	J	1	1	0.36	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**18**	ug/L		2	1	0.74	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-00-3	Chloroethane	**3.9**	ug/L	J	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**17**	ug/L		1	1	0.41	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-15	G6M-13-04X	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	127-18-4	Tetrachloroethene	**4.9**	ug/L		1	1	0.74	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	**0.86**	ug/L	J	1	1	0.37	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	79-01-6	Trichloroethene	**17**	ug/L		1	1	0.48	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	75-01-4	Vinyl chloride	**36**	ug/L		1	1	0.5	1
680-132062-15	G6M-13-04X	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-15	G6M-13-04X	11/11/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-15	G6M-13-04X	11/11/2016	9056A	14808-79-8	Sulfate	**4.0**	mg/L		1	1	0.4	1
680-132062-15	G6M-13-04X	11/11/2016	9060A	7440-44-0	Total Organic Carbon	**1.6**	mg/L		1	0.5	0.16	1
680-132062-15	G6M-13-04X	11/11/2016	RSK-175	74-84-0	Ethane	**2.2**	ug/L		1.1	1.1	0.55	1
680-132062-15	G6M-13-04X	11/11/2016	RSK-175	74-85-1	Ethylene	**12**	ug/L		1	1	0.5	1
680-132062-15	G6M-13-04X	11/11/2016	RSK-175	74-82-8	Methane (TCD)	**7,000**	ug/L		390	77	39	1
680-132062-15	G6M-13-04X	11/11/2016	SM 2320B		Alkalinity	**250**	mg/L		5	3.2	1.1	1
680-132062-16	MW-3	11/11/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132062-16	MW-3	11/11/2016	6010C	7439-89-6	Iron	**47,000**	ug/L		50	50	17	1
680-132062-16	MW-3	11/11/2016	6010C	7439-96-5	Manganese	**9,500**	ug/L		10	3	1	1
680-132062-16	MW-3	11/11/2016	6020A	7440-38-2	Arsenic	**410**	ug/L		3	3	1.5	1
680-132062-16	MW-3	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-16	MW-3	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-16	MW-3	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-16	MW-3	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-16	MW-3	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-16	MW-3	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-16	MW-3	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-16	MW-3	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-16	MW-3	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-16	MW-3	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-16	MW-3	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-16	MW-3	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-16	MW-3	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**2.1**	ug/L		2	1	0.74	1
680-132062-16	MW-3	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-16	MW-3	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-16	MW-3	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-16	MW-3	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-16	MW-3	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-16	MW-3	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-16	MW-3	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-16	MW-3	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-16	MW-3	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-16	MW-3	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-16	MW-3	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-16	MW-3	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-16	MW-3	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-16	MW-3	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-16	MW-3	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-16	MW-3	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-16	MW-3	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-16	MW-3	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-16	MW-3	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-16	MW-3	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-16	MW-3	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-16	MW-3	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-16	MW-3	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-16	MW-3	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**1.7**	ug/L		1	1	0.41	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-16	MW-3	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-16	MW-3	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-16	MW-3	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-16	MW-3	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-16	MW-3	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-16	MW-3	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-16	MW-3	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-16	MW-3	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-16	MW-3	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-16	MW-3	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-16	MW-3	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-16	MW-3	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-16	MW-3	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-16	MW-3	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-16	MW-3	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-16	MW-3	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-16	MW-3	11/11/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-16	MW-3	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-16	MW-3	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-16	MW-3	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-16	MW-3	11/11/2016	8260B	79-01-6	Trichloroethene	**0.96**	ug/L	J	1	1	0.48	1
680-132062-16	MW-3	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-16	MW-3	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-16	MW-3	11/11/2016	8260B	75-01-4	Vinyl chloride	**1.6**	ug/L		1	1	0.5	1
680-132062-16	MW-3	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-16	MW-3	11/11/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-16	MW-3	11/11/2016	9056A	14808-79-8	Sulfate	**1.4**	mg/L		1	1	0.4	1
680-132062-16	MW-3	11/11/2016	9060A	7440-44-0	Total Organic Carbon	**6.4**	mg/L		1	0.5	0.16	1
680-132062-16	MW-3	11/11/2016	RSK-175	74-84-0	Ethane	**2.9**	ug/L		1.1	1.1	0.55	1
680-132062-16	MW-3	11/11/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-132062-16	MW-3	11/11/2016	RSK-175	74-82-8	Methane (TCD)	**7,000**	ug/L		390	77	39	1
680-132062-16	MW-3	11/11/2016	SM 2320B		Alkalinity	**370**	mg/L		5	3.2	1.1	1
680-132062-17	G6M-13-05X	11/10/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-132062-17	G6M-13-05X	11/10/2016	6010C	7439-96-5	Manganese	**54**	ug/L		10	3	1	1
680-132062-17	G6M-13-05X	11/10/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-17	G6M-13-05X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	10	ug/L	U	10	10	3.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	10	ug/L	U	10	10	3.7	10

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-17	G6M-13-05X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	10	ug/L	U	10	10	6.2	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	5.0	ug/L	U	10	5	3.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	10	ug/L	U	10	10	3.8	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	10	ug/L	U	10	10	3.6	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	10	ug/L	U	10	10	3.4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	10	ug/L	U	10	10	3.9	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	10	ug/L	U	10	10	4.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	20	ug/L	U	50	20	11	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	10	ug/L	U	10	10	3.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	10	ug/L	U	10	10	5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**31**	ug/L		20	10	7.4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	10	ug/L	U	10	10	6.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	5.0	ug/L	U	10	5	3.1	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	10	ug/L	U	10	10	4.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	10	ug/L	U	10	10	3.4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	10	ug/L	U	10	10	4.6	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	10	ug/L	U	10	10	3.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	100	ug/L	U	100	100	34	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	5.0	ug/L	U	10	5	2.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	591-78-6	2-Hexanone	50	ug/L	U	100	50	20	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	10	ug/L	U	10	10	4.5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	10	ug/L	U	10	10	4.8	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	50	ug/L	U	100	50	21	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	67-64-1	Acetone	100	ug/L	U	100	100	70	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	71-43-2	Benzene	10	ug/L	U	10	10	4.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	108-86-1	Bromobenzene	10	ug/L	U	10	10	5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-25-2	Bromoform	10	ug/L	U	10	10	4.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	74-83-9	Bromomethane	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-15-0	Carbon disulfide	20	ug/L	U	20	20	4.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	5.0	ug/L	U	10	5	3.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	108-90-7	Chlorobenzene	5.0	ug/L	U	10	5	2.6	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	74-97-5	Chlorobromomethane	10	ug/L	U	10	10	4.5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	5.0	ug/L	U	10	5	3.2	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-00-3	Chloroethane	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	67-66-3	Chloroform	10	ug/L	U	10	10	5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	74-87-3	Chloromethane	10	ug/L	U	10	10	4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**31**	ug/L		10	10	4.1	10

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-17	G6M-13-05X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	10	ug/L	U	10	10	4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	74-95-3	Dibromomethane	10	ug/L	U	10	10	3.5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	10	ug/L	U	10	10	4.4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	10	ug/L	U	10	10	6	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	100-41-4	Ethylbenzene	5.0	ug/L	U	10	5	3.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	10	ug/L	U	10	10	4.4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	98-82-8	Isopropylbenzene	10	ug/L	U	10	10	3.5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	5.0	ug/L	U	100	5	3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-09-2	Methylene Chloride	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	10	ug/L	U	10	10	3.5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	91-20-3	Naphthalene	50	ug/L	U	50	50	25	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	104-51-8	n-Butylbenzene	10	ug/L	U	10	10	4.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	103-65-1	N-Propylbenzene	10	ug/L	U	10	10	3.8	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	95-47-6	o-Xylene	5.0	ug/L	U	10	5	2.3	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	10	ug/L	U	10	10	4.2	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	100-42-5	Styrene	5.0	ug/L	U	10	5	2.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	10	ug/L	U	10	10	4.5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	127-18-4	Tetrachloroethene	**830**	ug/L		10	10	7.4	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	108-88-3	Toluene	10	ug/L	U	10	10	4.8	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	10	ug/L	U	10	10	3.7	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	10	ug/L	U	10	10	4.2	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	79-01-6	Trichloroethene	**7.2**	ug/L	J	10	10	4.8	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	10	ug/L	U	10	10	4.2	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	108-05-4	Vinyl acetate	20	ug/L	U	20	20	8.1	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	75-01-4	Vinyl chloride	10	ug/L	U	10	10	5	10
680-132062-17	G6M-13-05X	11/10/2016	8260B	1330-20-7	Xylenes, Total	5.0	ug/L	U	20	5	2.3	10
680-132062-18	G6M-03-02X	11/10/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132062-18	G6M-03-02X	11/10/2016	6010C	7439-89-6	Iron	**260,000**	ug/L		50	50	17	1
680-132062-18	G6M-03-02X	11/10/2016	6010C	7439-96-5	Manganese	**3,900**	ug/L		10	3	1	1
680-132062-18	G6M-03-02X	11/10/2016	6020A	7440-38-2	Arsenic	**180**	ug/L		3	3	1.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-18	G6M-03-02X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	**1.3**	ug/L		1	1	0.47	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**18**	ug/L		2	1	0.74	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	**0.45**	ug/L	J	1	0.5	0.31	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	**130**	ug/L		10	10	3.4	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	67-64-1	Acetone	**23**	ug/L		10	10	7	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**18**	ug/L		1	1	0.41	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	100-41-4	Ethylbenzene	**0.75**	ug/L	J	1	0.5	0.33	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-18	G6M-03-02X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	95-47-6	o-Xylene	**0.23**	ug/L	J	1	0.5	0.23	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	108-88-3	Toluene	**15**	ug/L		1	1	0.48	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	79-01-6	Trichloroethene	**0.54**	ug/L	J	1	1	0.48	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	75-01-4	Vinyl chloride	**6.4**	ug/L		1	1	0.5	1
680-132062-18	G6M-03-02X	11/10/2016	8260B	1330-20-7	Xylenes, Total	**0.23**	ug/L	J	2	0.5	0.23	1
680-132062-18	G6M-03-02X	11/10/2016	9034	18496-25-8	Sulfide	**1.9**	mg/L		1	1	1	1
680-132062-18	G6M-03-02X	11/10/2016	9056A	14808-79-8	Sulfate	**0.44**	mg/L	J	1	1	0.4	1
680-132062-18	G6M-03-02X	11/10/2016	9060A	7440-44-0	Total Organic Carbon	**120**	mg/L		3.6	1.8	0.55	3.57
680-132062-18	G6M-03-02X	11/10/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-18	G6M-03-02X	11/10/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-132062-18	G6M-03-02X	11/10/2016	RSK-175	74-82-8	Methane (TCD)	**17,000**	ug/L		390	77	39	1
680-132062-18	G6M-03-02X	11/10/2016	SM 2320B		Alkalinity	**300**	mg/L		5	3.2	1.1	1
680-132062-19	G6M-04-03X	11/10/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132062-19	G6M-04-03X	11/10/2016	6010C	7439-89-6	Iron	**110,000**	ug/L		50	50	17	1
680-132062-19	G6M-04-03X	11/10/2016	6010C	7439-96-5	Manganese	**31,000**	ug/L		100	30	10	10
680-132062-19	G6M-04-03X	11/10/2016	6020A	7440-38-2	Arsenic	**380**	ug/L		3	3	1.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1

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680-132062-19	G6M-04-03X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	**0.89**	ug/L	J	1	1	0.47	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**6.1**	ug/L		2	1	0.74	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	**0.43**	ug/L	J	1	0.5	0.31	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**5.8**	ug/L		1	1	0.41	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-19	G6M-04-03X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	95-47-6	o-Xylene	**0.26**	ug/L	J	1	0.5	0.23	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	79-01-6	Trichloroethene	**0.65**	ug/L	J	1	1	0.48	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	75-01-4	Vinyl chloride	**4.1**	ug/L		1	1	0.5	1
680-132062-19	G6M-04-03X	11/10/2016	8260B	1330-20-7	Xylenes, Total	**0.26**	ug/L	J	2	0.5	0.23	1
680-132062-19	G6M-04-03X	11/10/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-19	G6M-04-03X	11/10/2016	9056A	14808-79-8	Sulfate	**2.2**	mg/L		1	1	0.4	1
680-132062-19	G6M-04-03X	11/10/2016	9060A	7440-44-0	Total Organic Carbon	**9.8**	mg/L		1	0.5	0.16	1
680-132062-19	G6M-04-03X	11/10/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-19	G6M-04-03X	11/10/2016	RSK-175	74-85-1	Ethylene	**25**	ug/L		1	1	0.5	1
680-132062-19	G6M-04-03X	11/10/2016	RSK-175	74-82-8	Methane (TCD)	**20,000**	ug/L		390	77	39	1
680-132062-19	G6M-04-03X	11/10/2016	SM 2320B		Alkalinity	**390**	mg/L		5	3.2	1.1	1
680-132062-2	G6M-04-31X	11/10/2016	6020A	7440-38-2	Arsenic	**430**	ug/L		3	3	1.5	1
680-132062-20	DUP-3	11/10/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132062-20	DUP-3	11/10/2016	6010C	7439-89-6	Iron	**110,000**	ug/L		50	50	17	1
680-132062-20	DUP-3	11/10/2016	6010C	7439-96-5	Manganese	**33,000**	ug/L		100	30	10	10
680-132062-20	DUP-3	11/10/2016	6020A	7440-38-2	Arsenic	**410**	ug/L		3	3	1.5	1
680-132062-20	DUP-3	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-20	DUP-3	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-20	DUP-3	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-20	DUP-3	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-20	DUP-3	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-20	DUP-3	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-20	DUP-3	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-20	DUP-3	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-20	DUP-3	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	**0.90**	ug/L	J	1	1	0.47	1
680-132062-20	DUP-3	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-20	DUP-3	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-20	DUP-3	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-20	DUP-3	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**6.7**	ug/L		2	1	0.74	1
680-132062-20	DUP-3	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-20	DUP-3	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	**0.45**	ug/L	J	1	0.5	0.31	1
680-132062-20	DUP-3	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-20	DUP-3	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-20	DUP-3	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-20	DUP-3	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-20	DUP-3	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-20	DUP-3	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-20	DUP-3	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-20	DUP-3	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-20	DUP-3	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-20	DUP-3	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-20	DUP-3	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-20	DUP-3	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-20	DUP-3	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-20	DUP-3	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-20	DUP-3	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-20	DUP-3	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-20	DUP-3	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-20	DUP-3	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-20	DUP-3	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-20	DUP-3	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-20	DUP-3	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-20	DUP-3	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**6.4**	ug/L		1	1	0.41	1
680-132062-20	DUP-3	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-20	DUP-3	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-20	DUP-3	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-20	DUP-3	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-20	DUP-3	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-20	DUP-3	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-20	DUP-3	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-20	DUP-3	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-20	DUP-3	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-20	DUP-3	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-20	DUP-3	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-20	DUP-3	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-20	DUP-3	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-20	DUP-3	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-20	DUP-3	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-20	DUP-3	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-20	DUP-3	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-20	DUP-3	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-20	DUP-3	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-20	DUP-3	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-20	DUP-3	11/10/2016	8260B	79-01-6	Trichloroethene	**0.51**	ug/L	J	1	1	0.48	1
680-132062-20	DUP-3	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-20	DUP-3	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-20	DUP-3	11/10/2016	8260B	75-01-4	Vinyl chloride	**3.8**	ug/L		1	1	0.5	1
680-132062-20	DUP-3	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-20	DUP-3	11/10/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-20	DUP-3	11/10/2016	9056A	14808-79-8	Sulfate	**2.0**	mg/L		1	1	0.4	1
680-132062-20	DUP-3	11/10/2016	9060A	7440-44-0	Total Organic Carbon	**11**	mg/L		1	0.5	0.16	1
680-132062-20	DUP-3	11/10/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-20	DUP-3	11/10/2016	RSK-175	74-85-1	Ethylene	**18**	ug/L		1	1	0.5	1
680-132062-20	DUP-3	11/10/2016	RSK-175	74-82-8	Methane (TCD)	**16,000**	ug/L		390	77	39	1
680-132062-20	DUP-3	11/10/2016	SM 2320B		Alkalinity	**400**	mg/L		5	3.2	1.1	1
680-132062-21	G6M-04-02X	11/10/2016	6010C	7439-89-6	Iron	**48,000**	ug/L		50	50	17	1
680-132062-21	G6M-04-02X	11/10/2016	6010C	7439-96-5	Manganese	**9,100**	ug/L		10	3	1	1
680-132062-21	G6M-04-02X	11/10/2016	6020A	7440-38-2	Arsenic	**180**	ug/L		3	3	1.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**58**	ug/L		2	1	0.74	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**58**	ug/L		1	1	0.41	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	127-18-4	Tetrachloroethene	**160**	ug/L		1	1	0.74	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	**0.37**	ug/L	J	1	1	0.37	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	79-01-6	Trichloroethene	**60**	ug/L		1	1	0.48	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	75-01-4	Vinyl chloride	**8.4**	ug/L		1	1	0.5	1
680-132062-21	G6M-04-02X	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-22	DUP-2	11/10/2016	6010C	7439-89-6	Iron	**45,000**	ug/L		50	50	17	1
680-132062-22	DUP-2	11/10/2016	6010C	7439-96-5	Manganese	**8,000**	ug/L		10	3	1	1
680-132062-22	DUP-2	11/10/2016	6020A	7440-38-2	Arsenic	**170**	ug/L		3	3	1.5	1
680-132062-22	DUP-2	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-22	DUP-2	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-22	DUP-2	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-22	DUP-2	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-22	DUP-2	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-22	DUP-2	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-22	DUP-2	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-22	DUP-2	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-22	DUP-2	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-22	DUP-2	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-22	DUP-2	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-22	DUP-2	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-22	DUP-2	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-22	DUP-2	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-22	DUP-2	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**55**	ug/L		2	1	0.74	1
680-132062-22	DUP-2	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-22	DUP-2	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-22	DUP-2	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-22	DUP-2	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-22	DUP-2	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-22	DUP-2	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-22	DUP-2	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-22	DUP-2	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-22	DUP-2	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-22	DUP-2	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-22	DUP-2	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-22	DUP-2	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-22	DUP-2	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-22	DUP-2	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-22	DUP-2	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-22	DUP-2	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-22	DUP-2	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-22	DUP-2	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-22	DUP-2	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-22	DUP-2	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-22	DUP-2	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-22	DUP-2	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-22	DUP-2	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-22	DUP-2	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-22	DUP-2	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-22	DUP-2	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**55**	ug/L		1	1	0.41	1
680-132062-22	DUP-2	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-22	DUP-2	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-22	DUP-2	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-22	DUP-2	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-22	DUP-2	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-22	DUP-2	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-22	DUP-2	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-22	DUP-2	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-22	DUP-2	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-22	DUP-2	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1

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680-132062-22	DUP-2	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-22	DUP-2	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-22	DUP-2	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-22	DUP-2	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-22	DUP-2	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-22	DUP-2	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-22	DUP-2	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-22	DUP-2	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-22	DUP-2	11/10/2016	8260B	127-18-4	Tetrachloroethene	**150**	ug/L		1	1	0.74	1
680-132062-22	DUP-2	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-22	DUP-2	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-22	DUP-2	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-22	DUP-2	11/10/2016	8260B	79-01-6	Trichloroethene	**64**	ug/L		1	1	0.48	1
680-132062-22	DUP-2	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-22	DUP-2	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-22	DUP-2	11/10/2016	8260B	75-01-4	Vinyl chloride	**8.5**	ug/L		1	1	0.5	1
680-132062-22	DUP-2	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-23	G6M-04-14X	11/11/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-132062-23	G6M-04-14X	11/11/2016	6010C	7439-96-5	Manganese	**2.1**	ug/L	J	10	3	1	1
680-132062-23	G6M-04-14X	11/11/2016	6020A	7440-38-2	Arsenic	**8.3**	ug/L		3	3	1.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**1.2**	ug/L	J	2	1	0.74	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-23	G6M-04-14X	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**1.2**	ug/L		1	1	0.41	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-23	G6M-04-14X	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	127-18-4	Tetrachloroethene	**2.5**	ug/L		1	1	0.74	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	79-01-6	Trichloroethene	**1.4**	ug/L		1	1	0.48	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-23	G6M-04-14X	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-24	G6M-02-07X	11/11/2016	6010C	7439-89-6	Iron	**50**	ug/L		50	50	17	1
680-132062-24	G6M-02-07X	11/11/2016	6010C	7439-96-5	Manganese	**11**	ug/L		10	3	1	1
680-132062-24	G6M-02-07X	11/11/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**1.0**	ug/L	J	2	1	0.74	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-24	G6M-02-07X	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**1.0**	ug/L		1	1	0.41	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	127-18-4	Tetrachloroethene	**5.4**	ug/L		1	1	0.74	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	79-01-6	Trichloroethene	**0.75**	ug/L	J	1	1	0.48	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-24	G6M-02-07X	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-24	G6M-02-07X	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-25	XSA-12-98X	11/11/2016	6010C	7439-89-6	Iron	**95**	ug/L		50	50	17	1
680-132062-25	XSA-12-98X	11/11/2016	6010C	7439-96-5	Manganese	**3.1**	ug/L	J	10	3	1	1
680-132062-25	XSA-12-98X	11/11/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**0.81**	ug/L	J	2	1	0.74	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-25	XSA-12-98X	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**0.81**	ug/L	J	1	1	0.41	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	127-18-4	Tetrachloroethene	**5.6**	ug/L		1	1	0.74	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	79-01-6	Trichloroethene	**0.69**	ug/L	J	1	1	0.48	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-25	XSA-12-98X	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-26	DUP-4	11/11/2016	6010C	7439-89-6	Iron	**220**	ug/L		50	50	17	1
680-132062-26	DUP-4	11/11/2016	6010C	7439-96-5	Manganese	**3.8**	ug/L	J	10	3	1	1
680-132062-26	DUP-4	11/11/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-26	DUP-4	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1

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680-132062-26	DUP-4	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-26	DUP-4	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-26	DUP-4	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-26	DUP-4	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-26	DUP-4	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-26	DUP-4	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-26	DUP-4	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-26	DUP-4	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-26	DUP-4	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-26	DUP-4	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-26	DUP-4	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-26	DUP-4	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**0.77**	ug/L	J	2	1	0.74	1
680-132062-26	DUP-4	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-26	DUP-4	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-26	DUP-4	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-26	DUP-4	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-26	DUP-4	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-26	DUP-4	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-26	DUP-4	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-26	DUP-4	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-26	DUP-4	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-26	DUP-4	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-26	DUP-4	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-26	DUP-4	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-26	DUP-4	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-26	DUP-4	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-26	DUP-4	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-26	DUP-4	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-26	DUP-4	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-26	DUP-4	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-26	DUP-4	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-26	DUP-4	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-26	DUP-4	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-26	DUP-4	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-26	DUP-4	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-26	DUP-4	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**0.77**	ug/L	J	1	1	0.41	1
680-132062-26	DUP-4	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-26	DUP-4	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-26	DUP-4	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-26	DUP-4	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-26	DUP-4	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-26	DUP-4	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-26	DUP-4	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-26	DUP-4	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-26	DUP-4	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-26	DUP-4	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-26	DUP-4	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-26	DUP-4	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-26	DUP-4	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-26	DUP-4	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-26	DUP-4	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-26	DUP-4	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-26	DUP-4	11/11/2016	8260B	127-18-4	Tetrachloroethene	**6.0**	ug/L		1	1	0.74	1
680-132062-26	DUP-4	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-26	DUP-4	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-26	DUP-4	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-26	DUP-4	11/11/2016	8260B	79-01-6	Trichloroethene	**0.68**	ug/L	J	1	1	0.48	1
680-132062-26	DUP-4	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-26	DUP-4	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-26	DUP-4	11/11/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-26	DUP-4	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-27	G6M-02-06X	11/11/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-132062-27	G6M-02-06X	11/11/2016	6010C	7439-96-5	Manganese	3.0	ug/L	U	10	3	1	1
680-132062-27	G6M-02-06X	11/11/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-27	G6M-02-06X	11/11/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-27	G6M-02-06X	11/11/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-27	G6M-02-06X	11/11/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-3	G6M-04-15X	11/10/2016	6010C	7439-89-6	Iron	**16,000**	ug/L		50	50	17	1
680-132062-3	G6M-04-15X	11/10/2016	6010C	7439-96-5	Manganese	**14,000**	ug/L		10	3	1	1
680-132062-3	G6M-04-15X	11/10/2016	6020A	7440-38-2	Arsenic	**55**	ug/L		3	3	1.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-3	G6M-04-15X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-3	G6M-04-15X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	79-01-6	Trichloroethene	**0.95**	ug/L	J	1	1	0.48	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-3	G6M-04-15X	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-4	G6M-03-07X	11/10/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U J	0.1	0.05	0.019	1
680-132062-4	G6M-03-07X	11/10/2016	6010C	7439-89-6	Iron	**81,000**	ug/L		50	50	17	1
680-132062-4	G6M-03-07X	11/10/2016	6010C	7439-96-5	Manganese	**1,400**	ug/L		10	3	1	1
680-132062-4	G6M-03-07X	11/10/2016	6020A	7440-38-2	Arsenic	**420**	ug/L		3	3	1.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**1.8**	ug/L	J	2	1	0.74	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-4	G6M-03-07X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**0.44**	ug/L	J	1	1	0.41	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-4	G6M-03-07X	11/10/2016	8260B	108-88-3	Toluene	**0.60**	ug/L	J	1	1	0.48	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	**1.4**	ug/L		1	1	0.37	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	75-01-4	Vinyl chloride	**0.63**	ug/L	J	1	1	0.5	1
680-132062-4	G6M-03-07X	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-4	G6M-03-07X	11/10/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-4	G6M-03-07X	11/10/2016	9056A	14808-79-8	Sulfate	1.0	mg/L	U	1	1	0.4	1
680-132062-4	G6M-03-07X	11/10/2016	9060A	7440-44-0	Total Organic Carbon	**22**	mg/L		1	0.5	0.16	1
680-132062-4	G6M-03-07X	11/10/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-4	G6M-03-07X	11/10/2016	RSK-175	74-85-1	Ethylene	**16**	ug/L		1	1	0.5	1
680-132062-4	G6M-03-07X	11/10/2016	RSK-175	74-82-8	Methane (TCD)	**23,000**	ug/L		390	77	39	1
680-132062-4	G6M-03-07X	11/10/2016	SM 2320B		Alkalinity	**170**	mg/L		5	3.2	1.1	1
680-132062-5	G6M-13-03X	11/10/2016	6010C	7439-89-6	Iron	**450**	ug/L		50	50	17	1
680-132062-5	G6M-13-03X	11/10/2016	6010C	7439-96-5	Manganese	**420**	ug/L		10	3	1	1
680-132062-5	G6M-13-03X	11/10/2016	6020A	7440-38-2	Arsenic	**2.2**	ug/L	J	3	3	1.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-5	G6M-13-03X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-5	G6M-13-03X	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-5	G6M-13-03X	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-6	G6M-04-10A	11/09/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132062-6	G6M-04-10A	11/09/2016	6010C	7439-89-6	Iron	**92,000**	ug/L		50	50	17	1
680-132062-6	G6M-04-10A	11/09/2016	6010C	7439-96-5	Manganese	**3,200**	ug/L		10	3	1	1
680-132062-6	G6M-04-10A	11/09/2016	6020A	7440-38-2	Arsenic	**220**	ug/L		3	3	1.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	**0.96**	ug/L	J	2	1	0.74	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1

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680-132062-6	G6M-04-10A	11/09/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	**0.96**	ug/L	J	1	1	0.41	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	79-01-6	Trichloroethene	**0.49**	ug/L	J	1	1	0.48	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-6	G6M-04-10A	11/09/2016	8260B	75-01-4	Vinyl chloride	**1.4**	ug/L		1	1	0.5	1
680-132062-6	G6M-04-10A	11/09/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132062-6	G6M-04-10A	11/09/2016	9034	18496-25-8	Sulfide	**1.5**	mg/L		1	1	1	1
680-132062-6	G6M-04-10A	11/09/2016	9056A	14808-79-8	Sulfate	**17**	mg/L		1	1	0.4	1
680-132062-6	G6M-04-10A	11/09/2016	9060A	7440-44-0	Total Organic Carbon	**5.5**	mg/L		1	0.5	0.16	1
680-132062-6	G6M-04-10A	11/09/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-6	G6M-04-10A	11/09/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-132062-6	G6M-04-10A	11/09/2016	RSK-175	74-82-8	Methane (TCD)	**7,100**	ug/L		390	77	39	1
680-132062-6	G6M-04-10A	11/09/2016	SM 2320B		Alkalinity	**86**	mg/L		5	3.2	1.1	1
680-132062-7	G6M-07-02X	11/09/2016	353.2		Nitrate/Nitrite-N	**0.06**	mg/L	J	0.1	0.05	0.019	1
680-132062-7	G6M-07-02X	11/09/2016	6010C	7439-89-6	Iron	**100**	ug/L		50	50	17	1
680-132062-7	G6M-07-02X	11/09/2016	6010C	7439-96-5	Manganese	**41**	ug/L		10	3	1	1
680-132062-7	G6M-07-02X	11/09/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-7	G6M-07-02X	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	20	ug/L	U	20	20	7.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	20	ug/L	U	20	20	7.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	20	ug/L	U	20	20	12	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	10	ug/L	U	20	10	6.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	20	ug/L	U	20	20	7.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	20	ug/L	U	20	20	7.2	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	20	ug/L	U	20	20	6.8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	20	ug/L	U	20	20	7.8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	20	ug/L	U	20	20	9.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	40	ug/L	U	100	40	22	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	20	ug/L	U	20	20	7.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	20	ug/L	U	20	20	10	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	20	ug/L	U	40	20	15	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	20	ug/L	U	20	20	13	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	10	ug/L	U	20	10	6.2	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	20	ug/L	U	20	20	8.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	20	ug/L	U	20	20	6.8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	20	ug/L	U	20	20	9.2	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	20	ug/L	U	20	20	7.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	200	ug/L	U	200	200	68	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	95-49-8	2-Chlorotoluene	10	ug/L	U	20	10	5.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	591-78-6	2-Hexanone	100	ug/L	U	200	100	40	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	106-43-4	4-Chlorotoluene	20	ug/L	U	20	20	9	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	20	ug/L	U	20	20	9.6	20

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-7	G6M-07-02X	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	100	ug/L	U	200	100	42	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	67-64-1	Acetone	200	ug/L	U	200	200	140	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	71-43-2	Benzene	20	ug/L	U	20	20	8.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	108-86-1	Bromobenzene	20	ug/L	U	20	20	10	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-25-2	Bromoform	20	ug/L	U	20	20	8.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	74-83-9	Bromomethane	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-15-0	Carbon disulfide	40	ug/L	U	40	40	8.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	56-23-5	Carbon tetrachloride	10	ug/L	U	20	10	6.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	108-90-7	Chlorobenzene	10	ug/L	U	20	10	5.2	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	74-97-5	Chlorobromomethane	20	ug/L	U	20	20	9	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	124-48-1	Chlorodibromomethane	10	ug/L	U	20	10	6.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-00-3	Chloroethane	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	67-66-3	Chloroform	20	ug/L	U	20	20	10	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	74-87-3	Chloromethane	20	ug/L	U	20	20	8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	20	ug/L	U	20	20	8.2	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	20	ug/L	U	20	20	8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	74-95-3	Dibromomethane	20	ug/L	U	20	20	7	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-27-4	Dichlorobromomethane	20	ug/L	U	20	20	8.8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	20	ug/L	U	20	20	12	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	100-41-4	Ethylbenzene	10	ug/L	U	20	10	6.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	106-93-4	Ethylene Dibromide	20	ug/L	U	20	20	8.8	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	98-82-8	Isopropylbenzene	20	ug/L	U	20	20	7	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	10	ug/L	U	200	10	6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-09-2	Methylene Chloride	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	20	ug/L	U	20	20	7	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	91-20-3	Naphthalene	100	ug/L	U	100	100	50	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	104-51-8	n-Butylbenzene	20	ug/L	U	20	20	9.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	103-65-1	N-Propylbenzene	20	ug/L	U	20	20	7.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	95-47-6	o-Xylene	10	ug/L	U	20	10	4.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	135-98-8	sec-Butylbenzene	20	ug/L	U	20	20	8.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	100-42-5	Styrene	10	ug/L	U	20	10	5.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	98-06-6	tert-Butylbenzene	20	ug/L	U	20	20	9	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	127-18-4	Tetrachloroethene	**3,200**	ug/L		20	20	15	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	108-88-3	Toluene	20	ug/L	U	20	20	9.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	20	ug/L	U	20	20	7.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	20	ug/L	U	20	20	8.4	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	79-01-6	Trichloroethene	20	ug/L	U	20	20	9.6	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	20	ug/L	U	20	20	8.4	20

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-7	G6M-07-02X	11/09/2016	8260B	108-05-4	Vinyl acetate	40	ug/L	U	40	40	16	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	75-01-4	Vinyl chloride	20	ug/L	U	20	20	10	20
680-132062-7	G6M-07-02X	11/09/2016	8260B	1330-20-7	Xylenes, Total	10	ug/L	U	40	10	4.6	20
680-132062-7	G6M-07-02X	11/09/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-7	G6M-07-02X	11/09/2016	9056A	14808-79-8	Sulfate	**6.0**	mg/L		1	1	0.4	1
680-132062-7	G6M-07-02X	11/09/2016	9060A	7440-44-0	Total Organic Carbon	**0.93**	mg/L	J	1	0.5	0.16	1
680-132062-7	G6M-07-02X	11/09/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-7	G6M-07-02X	11/09/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-132062-7	G6M-07-02X	11/09/2016	RSK-175	74-82-8	Methane	**100**	ug/L		0.58	0.58	0.29	1
680-132062-7	G6M-07-02X	11/09/2016	SM 2320B		Alkalinity	**15**	mg/L		5	3.2	1.1	1
680-132062-8	DUP-5	11/09/2016	353.2		Nitrate/Nitrite-N	**0.07**	mg/L	J	0.1	0.05	0.019	1
680-132062-8	DUP-5	11/09/2016	6010C	7439-89-6	Iron	**98**	ug/L		50	50	17	1
680-132062-8	DUP-5	11/09/2016	6010C	7439-96-5	Manganese	**40**	ug/L		10	3	1	1
680-132062-8	DUP-5	11/09/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-8	DUP-5	11/09/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	20	ug/L	U	20	20	7.4	20
680-132062-8	DUP-5	11/09/2016	8260B	71-55-6	1,1,1-Trichloroethane	20	ug/L	U	20	20	7.4	20
680-132062-8	DUP-5	11/09/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	20	ug/L	U	20	20	12	20
680-132062-8	DUP-5	11/09/2016	8260B	79-00-5	1,1,2-Trichloroethane	10	ug/L	U	20	10	6.6	20
680-132062-8	DUP-5	11/09/2016	8260B	75-34-3	1,1-Dichloroethane	20	ug/L	U	20	20	7.6	20
680-132062-8	DUP-5	11/09/2016	8260B	75-35-4	1,1-Dichloroethene	20	ug/L	U	20	20	7.2	20
680-132062-8	DUP-5	11/09/2016	8260B	563-58-6	1,1-Dichloropropene	20	ug/L	U	20	20	6.8	20
680-132062-8	DUP-5	11/09/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	96-18-4	1,2,3-Trichloropropane	20	ug/L	U	20	20	7.8	20
680-132062-8	DUP-5	11/09/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	20	ug/L	U	20	20	9.4	20
680-132062-8	DUP-5	11/09/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	40	ug/L	U	100	40	22	20
680-132062-8	DUP-5	11/09/2016	8260B	95-50-1	1,2-Dichlorobenzene	20	ug/L	U	20	20	7.4	20
680-132062-8	DUP-5	11/09/2016	8260B	107-06-2	1,2-Dichloroethane	20	ug/L	U	20	20	10	20
680-132062-8	DUP-5	11/09/2016	8260B	540-59-0	1,2-Dichloroethene, Total	20	ug/L	U	40	20	15	20
680-132062-8	DUP-5	11/09/2016	8260B	78-87-5	1,2-Dichloropropane	20	ug/L	U	20	20	13	20
680-132062-8	DUP-5	11/09/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	10	ug/L	U	20	10	6.2	20
680-132062-8	DUP-5	11/09/2016	8260B	541-73-1	1,3-Dichlorobenzene	20	ug/L	U	20	20	8.6	20
680-132062-8	DUP-5	11/09/2016	8260B	142-28-9	1,3-Dichloropropane	20	ug/L	U	20	20	6.8	20
680-132062-8	DUP-5	11/09/2016	8260B	106-46-7	1,4-Dichlorobenzene	20	ug/L	U	20	20	9.2	20
680-132062-8	DUP-5	11/09/2016	8260B	594-20-7	2,2-Dichloropropane	20	ug/L	U	20	20	7.4	20
680-132062-8	DUP-5	11/09/2016	8260B	78-93-3	2-Butanone (MEK)	200	ug/L	U	200	200	68	20
680-132062-8	DUP-5	11/09/2016	8260B	95-49-8	2-Chlorotoluene	10	ug/L	U	20	10	5.4	20
680-132062-8	DUP-5	11/09/2016	8260B	591-78-6	2-Hexanone	100	ug/L	U	200	100	40	20
680-132062-8	DUP-5	11/09/2016	8260B	106-43-4	4-Chlorotoluene	20	ug/L	U	20	20	9	20

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-8	DUP-5	11/09/2016	8260B	99-87-6	4-Isopropyltoluene	20	ug/L	U	20	20	9.6	20
680-132062-8	DUP-5	11/09/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	100	ug/L	U	200	100	42	20
680-132062-8	DUP-5	11/09/2016	8260B	67-64-1	Acetone	200	ug/L	U	200	200	140	20
680-132062-8	DUP-5	11/09/2016	8260B	71-43-2	Benzene	20	ug/L	U	20	20	8.6	20
680-132062-8	DUP-5	11/09/2016	8260B	108-86-1	Bromobenzene	20	ug/L	U	20	20	10	20
680-132062-8	DUP-5	11/09/2016	8260B	75-25-2	Bromoform	20	ug/L	U	20	20	8.6	20
680-132062-8	DUP-5	11/09/2016	8260B	74-83-9	Bromomethane	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	75-15-0	Carbon disulfide	40	ug/L	U	40	40	8.6	20
680-132062-8	DUP-5	11/09/2016	8260B	56-23-5	Carbon tetrachloride	10	ug/L	U	20	10	6.6	20
680-132062-8	DUP-5	11/09/2016	8260B	108-90-7	Chlorobenzene	10	ug/L	U	20	10	5.2	20
680-132062-8	DUP-5	11/09/2016	8260B	74-97-5	Chlorobromomethane	20	ug/L	U	20	20	9	20
680-132062-8	DUP-5	11/09/2016	8260B	124-48-1	Chlorodibromomethane	10	ug/L	U	20	10	6.4	20
680-132062-8	DUP-5	11/09/2016	8260B	75-00-3	Chloroethane	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	67-66-3	Chloroform	20	ug/L	U	20	20	10	20
680-132062-8	DUP-5	11/09/2016	8260B	74-87-3	Chloromethane	20	ug/L	U	20	20	8	20
680-132062-8	DUP-5	11/09/2016	8260B	156-59-2	cis-1,2-Dichloroethene	20	ug/L	U	20	20	8.2	20
680-132062-8	DUP-5	11/09/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	20	ug/L	U	20	20	8	20
680-132062-8	DUP-5	11/09/2016	8260B	74-95-3	Dibromomethane	20	ug/L	U	20	20	7	20
680-132062-8	DUP-5	11/09/2016	8260B	75-27-4	Dichlorobromomethane	20	ug/L	U	20	20	8.8	20
680-132062-8	DUP-5	11/09/2016	8260B	75-71-8	Dichlorodifluoromethane	20	ug/L	U	20	20	12	20
680-132062-8	DUP-5	11/09/2016	8260B	100-41-4	Ethylbenzene	10	ug/L	U	20	10	6.6	20
680-132062-8	DUP-5	11/09/2016	8260B	106-93-4	Ethylene Dibromide	20	ug/L	U	20	20	8.8	20
680-132062-8	DUP-5	11/09/2016	8260B	87-68-3	Hexachlorobutadiene	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	98-82-8	Isopropylbenzene	20	ug/L	U	20	20	7	20
680-132062-8	DUP-5	11/09/2016	8260B	1634-04-4	Methyl tert-butyl ether	10	ug/L	U	200	10	6	20
680-132062-8	DUP-5	11/09/2016	8260B	75-09-2	Methylene Chloride	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	179601-23-1	m-Xylene & p-Xylene	20	ug/L	U	20	20	7	20
680-132062-8	DUP-5	11/09/2016	8260B	91-20-3	Naphthalene	100	ug/L	U	100	100	50	20
680-132062-8	DUP-5	11/09/2016	8260B	104-51-8	n-Butylbenzene	20	ug/L	U	20	20	9.4	20
680-132062-8	DUP-5	11/09/2016	8260B	103-65-1	N-Propylbenzene	20	ug/L	U	20	20	7.6	20
680-132062-8	DUP-5	11/09/2016	8260B	95-47-6	o-Xylene	10	ug/L	U	20	10	4.6	20
680-132062-8	DUP-5	11/09/2016	8260B	135-98-8	sec-Butylbenzene	20	ug/L	U	20	20	8.4	20
680-132062-8	DUP-5	11/09/2016	8260B	100-42-5	Styrene	10	ug/L	U	20	10	5.4	20
680-132062-8	DUP-5	11/09/2016	8260B	98-06-6	tert-Butylbenzene	20	ug/L	U	20	20	9	20
680-132062-8	DUP-5	11/09/2016	8260B	127-18-4	Tetrachloroethene	**3,000**	ug/L		20	20	15	20
680-132062-8	DUP-5	11/09/2016	8260B	108-88-3	Toluene	20	ug/L	U	20	20	9.6	20
680-132062-8	DUP-5	11/09/2016	8260B	156-60-5	trans-1,2-Dichloroethene	20	ug/L	U	20	20	7.4	20
680-132062-8	DUP-5	11/09/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	20	ug/L	U	20	20	8.4	20
680-132062-8	DUP-5	11/09/2016	8260B	79-01-6	Trichloroethene	20	ug/L	U	20	20	9.6	20

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-8	DUP-5	11/09/2016	8260B	75-69-4	Trichlorofluoromethane	20	ug/L	U	20	20	8.4	20
680-132062-8	DUP-5	11/09/2016	8260B	108-05-4	Vinyl acetate	40	ug/L	U	40	40	16	20
680-132062-8	DUP-5	11/09/2016	8260B	75-01-4	Vinyl chloride	20	ug/L	U	20	20	10	20
680-132062-8	DUP-5	11/09/2016	8260B	1330-20-7	Xylenes, Total	10	ug/L	U	40	10	4.6	20
680-132062-8	DUP-5	11/09/2016	9034	18496-25-8	Sulfide	1.0	mg/L	U	1	1	1	1
680-132062-8	DUP-5	11/09/2016	9056A	14808-79-8	Sulfate	**6.0**	mg/L		1	1	0.4	1
680-132062-8	DUP-5	11/09/2016	9060A	7440-44-0	Total Organic Carbon	**0.92**	mg/L	J	1	0.5	0.16	1
680-132062-8	DUP-5	11/09/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132062-8	DUP-5	11/09/2016	RSK-175	74-85-1	Ethylene	1.0	ug/L	U	1	1	0.5	1
680-132062-8	DUP-5	11/09/2016	RSK-175	74-82-8	Methane	**100**	ug/L		0.58	0.58	0.29	1
680-132062-8	DUP-5	11/09/2016	SM 2320B		Alkalinity	**15**	mg/L		5	3.2	1.1	1
680-132062-9	G6M-04-13X	11/10/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-132062-9	G6M-04-13X	11/10/2016	6010C	7439-96-5	Manganese	3.0	ug/L	U	10	3	1	1
680-132062-9	G6M-04-13X	11/10/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-9	G6M-04-13X	11/10/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132062-9	G6M-04-13X	11/10/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1

Notes:

Qualified validated data

µg/L = microgram per liter

mg/L = milligram per liter

U = non-detect

UJ = Estimated non-detect

J = Estimated result

LOQ = Limit of quantitation

LOD = Limit of Detection

MDL = Method Detection Limit

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132143
Laboratory: Test America-Savannah, GA	Date: 12/12/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132143-1	MW-7	11/14/2016	VOCs	Groundwater
680-132143-2	G6M-02-11X	11/14/2016	VOCs	Groundwater
680-132143-3	G6M-02-12X	11/14/2016	VOCs	Groundwater
680-132143-4	XSA-12-95X	11/14/2016	VOCs	Groundwater
680-132143-5	XSA-12-96X	11/14/2016	VOCs	Groundwater
680-132143-6	G6M-04-05X	11/14/2016	VOCs	Groundwater
680-132143-7	G6M-03-09X	11/14/2016	VOCs	Groundwater
680-132143-8	G6M-04-07X	11/14/2016	VOCs	Groundwater
680-132143-9	G6M-04-06X	11/14/2016	VOCs	Groundwater
680-132143-10	Trip Blank	11/14/2016	VOCs	Groundwater
680-132143-11	XSA-12-97X	11/14/2016	VOCs	Groundwater
680-132143-12	G6M-03-08X	11/14/2016	VOCs	Groundwater
680-132143-13	G6M-03-10X	11/14/2016	VOCs	Groundwater
680-132143-14	G6M-97-05B	11/15/2016	VOCs	Groundwater

Summary - Data validation was performed on the data for thirteen (13) groundwater samples and one (1) trip blank sample collected from AOC 50 and submitted for Volatile Organic (VOC) analyses by SW-846 Method 8260B DOD

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/16/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 10/31/2016 (Analytical batch 455632)

exhibited acceptable %RSDS (≤30%) for and average RRF (>0.050) values for all target compounds.

Qualification: None required.

Initial Calibration Verification (ICV): - Initial calibration verification analyzed on 10/31/2016 (ICV 680-455632/13) exhibited acceptable %Ds (≤25.0%).

Qualification: None required.

Continuing Calibration Verification (CCV): - The %Ds for the CCVs analyzed on 11/25/2016 (CCV 680-459632/3) were within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates – Surrogate recoveries were within the control limits for all samples.

Qualification: None required.

Internal Standard (IS) Area Performance: - All samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

LCS/LCSD – Percent recoveries and RPDs for the LCS/LCDSs analyzed on 11/25/2016 with these samples were within control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicates samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blank (MB 680-459632/9) analyzed on 11/25/2016 with these samples was free of contamination.

Qualification: None required.

Field Blanks – One Trip Blank sample (Lab Sample ID: 680-132143-10) was submitted with these samples. Target VOCs were non-detect in all TB samples.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The VOC results reported in this SDG are acceptable and may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
680-132143-1	MW-7	VOCs	No qualifications needed.			
680-132143-2	G6M-02-11X	VOCs	No qualifications needed.			
680-132143-3	G6M-02-12X	VOCs	No qualifications needed.			
680-132143-4	XSA-12-95X	VOCs	No qualifications needed.			
680-132143-5	XSA-12-96X	VOCs	No qualifications needed.			
680-132143-6	G6M-04-05X	VOCs	No qualifications needed.			
680-132143-7	G6M-03-09X	VOCs	No qualifications needed.			
680-132143-8	G6M-04-07X	VOCs	No qualifications needed.			
680-132143-9	G6M-04-06X	VOCs	No qualifications needed.			
680-132143-10	Trip Blank	VOCs	No qualifications needed.			
680-132143-11	XSA-12-97X	VOCs	No qualifications needed.			
680-132143-12	G6M-03-08X	VOCs	No qualifications needed.			
680-132143-13	G6M-03-10X	VOCs	No qualifications needed.			
680-132143-14	G6M-97-05B	VOCs	No qualifications needed.			

Methane, Ethane, Ethene
RSK 175
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132143
Laboratory: Test America-Savannah, GA	Date: 12/12/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132143-12	G6M-03-08X	11/14/2016	RSK-175	Groundwater
680-132143-13	G6M-03-10X	11/14/2016	RSK-175	Groundwater
680-132143-2	G6M-02-11X	11/14/2016	RSK-175	Groundwater
680-132143-3	G6M-02-12X	11/14/2016	RSK-175	Groundwater
680-132143-6	G6M-04-05X	11/14/2016	RSK-175	Groundwater
680-132143-7	G6M-03-09X	11/14/2016	RSK-175	Groundwater
680-132143-8	G6M-04-07X	11/14/2016	RSK-175	Groundwater
680-132143-9	G6M-04-06X	11/14/2016	RSK-175	Groundwater

Summary - Data validation was performed on the data for eight (8) groundwater samples collected and submitted for Methane, Ethane, Ethylene analyses by Method RSK 175.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/16/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the 14-day holding time required by the QAPP for preserved aqueous samples.

Qualification: None required.

LCS/LCSD – The LCS/LCSD samples (LCS 680-458908/2 and 3) analyzed on 11/23/2016 reported with these samples met the %R and RPD control limits established in the QAPP.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate samples were not submitted with this sample set.

Qualification: None required.

Method Blank – The method blanks associated with the samples in this SDG were free of contamination.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – The Flame Ionization Detector (FID) is used as the primary detector for

methane, ethane, and ethene and is more sensitive than the Thermal Conductivity Detector (TCD). The TCD is used as the secondary detector for methane only. When the concentration of methane is above the calibration range of the FID, the TCD results are reported. Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The RSK175 results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Compound	Lab Value (µg/L)	Lab Qualifier	Validated Value (µg/L)	Validation Qualifier
680-132143-12	G6M-03-08X	RSK-175	No qualifications needed.			
680-132143-13	G6M-03-10X	RSK-175	No qualifications needed.			
680-132143-2	G6M-02-11X	RSK-175	No qualifications needed.			
680-132143-3	G6M-02-12X	RSK-175	No qualifications needed.			
680-132143-6	G6M-04-05X	RSK-175	No qualifications needed.			
680-132143-7	G6M-03-09X	RSK-175	No qualifications needed.			
680-132143-8	G6M-04-07X	RSK-175	No qualifications needed.			
680-132143-9	G6M-04-06X	RSK-175	No qualifications needed.			

Dissolved Metals
SW 846/6010C/6020A
USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132143
Laboratory: Test America-Savannah, GA	Date: 12/12/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132143-1	MW-7	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-2	G6M-02-11X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-3	G6M-02-12X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-4	XSA-12-95X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-5	XSA-12-96X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-6	G6M-04-05X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-7	G6M-03-09X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-8	G6M-04-07X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-9	G6M-04-06X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-11	XSA-12-97X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-12	G6M-03-08X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-13	G6M-03-10X	11/14/2016	Dissolved Metals (As, Fe, Mn)	Groundwater
680-132143-14	G6M-97-05B	11/15/2016	Dissolved Metals (As, Fe, Mn)	Groundwater

Summary – Data validation was performed on the data for thirteen (13) groundwater samples collected from AOC 50 and submitted for dissolved arsenic, iron and manganese analyses. Iron and Manganese were analyzed and reported by method SW6010B and arsenic was analyzed and reported by method SW6020A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 11/16/2016 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required

Holding Times – All samples were analyzed within the 6-month holding time required by the QAPP for preserved aqueous samples.

Qualification: None required

Laboratory Control Sample – The LCS recoveries (%R) for the reported target analytes met the %R control limits established in the QAPP.

Qualification: None required.

MS/MSD – Sample MW-7 (Lab Sample ID: 680-132143-1) was spiked and analyzed as matrix spike/matrix spike duplicate samples. The sample results for manganese were greater than four (4) times the spike levels and the %Rs could not be calculated. The %Rs and RPDs were within control limits for iron and arsenic. LCS recoveries were within control limits.

Qualification: None required.

Method Blank – The method blanks associated and analyzed with these samples were non-detect for all target analytes.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this sample set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The dissolved metals results reported in this SDG are acceptable as reported and the data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value	Lab Qualifier	Validated Value	Validation Qualifier
680-132143-1	MW-7	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-2	G6M-02-11X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-3	G6M-02-12X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-4	XSA-12-95X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-5	XSA-12-96X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-6	G6M-04-05X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-7	G6M-03-09X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-8	G6M-04-07X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-9	G6M-04-06X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-11	XSA-12-97X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-12	G6M-03-08X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-13	G6M-03-10X	Dissolved As, Fe, Mn	No qualification needed.			
680-132143-14	G6M-97-05B	Dissolved As, Fe, Mn	No qualification needed.			

Miscellaneous Parameters

Alkalinity (SM2320B), Nitrogen/nitrate (E353.2), Sulfate (SW9056A), Sulfide (SW9034) and Total Organic Carbon (TOC) (SW9060A)

USEPA Level II Review

Site: AOC 50 Fall 2016 LTM	SDG #: 680-132143
Laboratory: Test America-Savannah, GA	Date: 12/12/2016
KGS Reviewer: Laurie Ekes	Project: 1024

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
680-132143-2	G6M-02-11X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-3	G6M-02-12X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-6	G6M-04-05X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-7	G6M-03-09X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-8	G6M-04-07X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-9	G6M-04-06X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-12	G6M-03-08X	11/14/2016	Miscellaneous Parameters	Groundwater
680-132143-13	G6M-03-10X	11/14/2016	Miscellaneous Parameters	Groundwater

Summary - Data validation was performed on the data for eight(8) groundwater samples submitted for the miscellaneous wet chemistry analyses listed above. The samples submitted for alkalinity, nitrate/nitrite and TOC analyses were shipped to Test America-Denver for analysis.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory on 11/16/2016 in acceptable condition and temperature, and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the respective holding times required by the QAPP for preserved aqueous samples.

Qualification: None required.

Method Blank –The method blanks for nitrate/nitrite, sulfide, TOC and sulfate were free from contamination. Alkalinity was reported in associated MB samples at low levels of 1.13 and 3.21 mg/L. The results for alkalinity in all samples were greater than the LOQ; no qualifications were needed.

Qualification: None required.

Laboratory Control Sample – The LCS %R results for all parameters met the control limits established by the QAPP.

Qualification: None required.

MS/MSD – Sample G6M-03-08X (Lab Sample ID: 680-132143-12) was spiked and analyzed as matrix spike/duplicate samples for TOC analysis. The %Rs and RPDs for the TOC MS/MSDs were within control limits.

Qualification: The non-detect results for nitrate/nitrite have been qualified as estimated (UJ).

Field Blanks – Field blank samples were not submitted with this sample set.

Qualification: None required.

Field Duplicate – Field duplicate samples were not submitted with this data set.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as "ND"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J-qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table - The miscellaneous parameter results reported in this SDG are acceptable as reported. The data may be used for its intended purpose.

Lab Sample ID	Client Sample ID	Analysis	Lab Value (mg/L)	Lab Qualifier	Validated Value (mg/L)	Validation Qualifier
680-132143-2	G6M-02-11X	Miscellaneous Parameters	No qualifications needed.			
680-132143-3	G6M-02-12X	Miscellaneous Parameters	No qualifications needed.			
680-132143-6	G6M-04-05X	Miscellaneous Parameters	No qualifications needed.			
680-132143-7	G6M-03-09X	Miscellaneous Parameters	No qualifications needed.			
680-132143-8	G6M-04-07X	Miscellaneous Parameters	No qualifications needed.			
680-132143-9	G6M-04-06X	Miscellaneous Parameters	No qualifications needed.			
680-132143-12	G6M-03-08X	Miscellaneous Parameters	No qualifications needed.			
680-132143-13	G6M-03-10X	Miscellaneous Parameters	No qualifications needed.			

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-1	MW-7	11/14/2016	6010C	7439-89-6	Iron	19,000	ug/L		50	50	17	1
680-132143-1	MW-7	11/14/2016	6010C	7439-96-5	Manganese	13,000	ug/L		10	3	1	1
680-132143-1	MW-7	11/14/2016	6020A	7440-38-2	Arsenic	110	ug/L		3	3	1.5	1
680-132143-1	MW-7	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-1	MW-7	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-1	MW-7	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-1	MW-7	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-1	MW-7	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-1	MW-7	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-1	MW-7	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-1	MW-7	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-1	MW-7	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-1	MW-7	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-1	MW-7	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-1	MW-7	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-1	MW-7	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	22	ug/L		2	1	0.74	1
680-132143-1	MW-7	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-1	MW-7	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-1	MW-7	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-1	MW-7	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-1	MW-7	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-1	MW-7	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-1	MW-7	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-1	MW-7	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-1	MW-7	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-1	MW-7	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-1	MW-7	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-1	MW-7	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-1	MW-7	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-1	MW-7	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-1	MW-7	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-1	MW-7	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-1	MW-7	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-1	MW-7	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-1	MW-7	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-1	MW-7	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-1	MW-7	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-1	MW-7	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-1	MW-7	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-1	MW-7	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	22	ug/L		1	1	0.41	1
680-132143-1	MW-7	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-1	MW-7	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-1	MW-7	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-1	MW-7	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-1	MW-7	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-1	MW-7	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-1	MW-7	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-1	MW-7	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-1	MW-7	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-1	MW-7	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-1	MW-7	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-1	MW-7	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-1	MW-7	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-1	MW-7	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-1	MW-7	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-1	MW-7	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-1	MW-7	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-1	MW-7	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-1	MW-7	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-1	MW-7	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-1	MW-7	11/14/2016	8260B	79-01-6	Trichloroethene	1.4	ug/L		1	1	0.48	1
680-132143-1	MW-7	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-1	MW-7	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-1	MW-7	11/14/2016	8260B	75-01-4	Vinyl chloride	37	ug/L		1	1	0.5	1
680-132143-1	MW-7	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-10	Trip Blank	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-10	Trip Blank	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-10	Trip Blank	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-10	Trip Blank	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-10	Trip Blank	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-10	Trip Blank	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-10	Trip Blank	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-10	Trip Blank	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-10	Trip Blank	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-10	Trip Blank	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-10	Trip Blank	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-10	Trip Blank	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-10	Trip Blank	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-10	Trip Blank	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-10	Trip Blank	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-10	Trip Blank	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-10	Trip Blank	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-10	Trip Blank	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-10	Trip Blank	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-10	Trip Blank	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-10	Trip Blank	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-10	Trip Blank	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-10	Trip Blank	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-10	Trip Blank	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-10	Trip Blank	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-10	Trip Blank	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-10	Trip Blank	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-10	Trip Blank	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-10	Trip Blank	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-10	Trip Blank	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1

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680-132143-10	Trip Blank	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-10	Trip Blank	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-10	Trip Blank	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-10	Trip Blank	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-10	Trip Blank	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-10	Trip Blank	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-10	Trip Blank	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-10	Trip Blank	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-10	Trip Blank	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-10	Trip Blank	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-10	Trip Blank	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-10	Trip Blank	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-10	Trip Blank	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-10	Trip Blank	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-10	Trip Blank	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-10	Trip Blank	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-10	Trip Blank	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-10	Trip Blank	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-10	Trip Blank	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-10	Trip Blank	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-10	Trip Blank	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-11	XSA-12-97X	11/14/2016	6010C	7439-89-6	Iron	770	ug/L		50	50	17	1
680-132143-11	XSA-12-97X	11/14/2016	6010C	7439-96-5	Manganese	12	ug/L		10	3	1	1
680-132143-11	XSA-12-97X	11/14/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1

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680-132143-11	XSA-12-97X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1

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680-132143-11	XSA-12-97X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	127-18-4	Tetrachloroethene	10	ug/L		1	1	0.74	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-11	XSA-12-97X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-12	G6M-03-08X	11/14/2016	353.2		Nitrate/Nitrite-N	0.053	mg/L	J	0.1	0.05	0.019	1
680-132143-12	G6M-03-08X	11/14/2016	6010C	7439-89-6	Iron	180	ug/L		50	50	17	1
680-132143-12	G6M-03-08X	11/14/2016	6010C	7439-96-5	Manganese	4,200	ug/L		10	3	1	1
680-132143-12	G6M-03-08X	11/14/2016	6020A	7440-38-2	Arsenic	12	ug/L		3	3	1.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-12	G6M-03-08X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	0.84	ug/L	J	2	1	0.74	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	0.84	ug/L	J	1	1	0.41	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-12	G6M-03-08X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	79-01-6	Trichloroethene	0.96	ug/L	J	1	1	0.48	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-12	G6M-03-08X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-12	G6M-03-08X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-12	G6M-03-08X	11/14/2016	9056A	14808-79-8	Sulfate	9.8	mg/L		1	1	0.4	1
680-132143-12	G6M-03-08X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	1.3	mg/L		1	0.5	0.16	1
680-132143-12	G6M-03-08X	11/14/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132143-12	G6M-03-08X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-12	G6M-03-08X	11/14/2016	RSK-175	74-82-8	Methane	170	ug/L		0.58	0.58	0.29	1
680-132143-12	G6M-03-08X	11/14/2016	SM 2320B		Alkalinity	140	mg/L		5	3.2	1.1	1
680-132143-13	G6M-03-10X	11/14/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132143-13	G6M-03-10X	11/14/2016	6010C	7439-89-6	Iron	68,000	ug/L		50	50	17	1
680-132143-13	G6M-03-10X	11/14/2016	6010C	7439-96-5	Manganese	2,700	ug/L		10	3	1	1
680-132143-13	G6M-03-10X	11/14/2016	6020A	7440-38-2	Arsenic	430	ug/L		3	3	1.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-13	G6M-03-10X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-13	G6M-03-10X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-13	G6M-03-10X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-13	G6M-03-10X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-13	G6M-03-10X	11/14/2016	9056A	14808-79-8	Sulfate	3.7	mg/L		1	1	0.4	1
680-132143-13	G6M-03-10X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	1.6	mg/L		1	0.5	0.16	1
680-132143-13	G6M-03-10X	11/14/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132143-13	G6M-03-10X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-13	G6M-03-10X	11/14/2016	RSK-175	74-82-8	Methane (TCD)	8000	ug/L		390	77	39	1
680-132143-13	G6M-03-10X	11/14/2016	SM 2320B		Alkalinity	110	mg/L		5	3.2	1.1	1
680-132143-14	G6M-97-05B	11/15/2016	6010C	7439-89-6	Iron	21	ug/L	J	50	50	17	1
680-132143-14	G6M-97-05B	11/15/2016	6010C	7439-96-5	Manganese	2.4	ug/L	J	10	3	1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-14	G6M-97-05B	11/15/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	540-59-0	1,2-Dichloroethene, Total	4.2	ug/L		2	1	0.74	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	56-23-5	Carbon tetrachloride	0.91	ug/L	J	1	0.5	0.33	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-14	G6M-97-05B	11/15/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	156-59-2	cis-1,2-Dichloroethene	4.2	ug/L		1	1	0.41	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	127-18-4	Tetrachloroethene	140	ug/L		1	1	0.74	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	79-01-6	Trichloroethene	13	ug/L		1	1	0.48	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-14	G6M-97-05B	11/15/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-2	G6M-02-11X	11/14/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132143-2	G6M-02-11X	11/14/2016	6010C	7439-89-6	Iron	32,000	ug/L		50	50	17	1
680-132143-2	G6M-02-11X	11/14/2016	6010C	7439-96-5	Manganese	7,600	ug/L		10	3	1	1
680-132143-2	G6M-02-11X	11/14/2016	6020A	7440-38-2	Arsenic	530	ug/L		3	3	1.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-2	G6M-02-11X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-2	G6M-02-11X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-2	G6M-02-11X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-2	G6M-02-11X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-2	G6M-02-11X	11/14/2016	9056A	14808-79-8	Sulfate	1	mg/L	U	1	1	0.4	1
680-132143-2	G6M-02-11X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	4.1	mg/L		1	0.5	0.16	1
680-132143-2	G6M-02-11X	11/14/2016	RSK-175	74-84-0	Ethane	5.6	ug/L		1.1	1.1	0.55	1
680-132143-2	G6M-02-11X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-2	G6M-02-11X	11/14/2016	RSK-175	74-82-8	Methane (TCD)	11000	ug/L		390	77	39	1
680-132143-2	G6M-02-11X	11/14/2016	SM 2320B		Alkalinity	220	mg/L		5	3.2	1.1	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-3	G6M-02-12X	11/14/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132143-3	G6M-02-12X	11/14/2016	6010C	7439-89-6	Iron	40,000	ug/L		50	50	17	1
680-132143-3	G6M-02-12X	11/14/2016	6010C	7439-96-5	Manganese	7,700	ug/L		10	3	1	1
680-132143-3	G6M-02-12X	11/14/2016	6020A	7440-38-2	Arsenic	720	ug/L		3	3	1.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-3	G6M-02-12X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-3	G6M-02-12X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-3	G6M-02-12X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-3	G6M-02-12X	11/14/2016	9056A	14808-79-8	Sulfate	2	mg/L		1	1	0.4	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-3	G6M-02-12X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	4.5	mg/L		1	0.5	0.16	1
680-132143-3	G6M-02-12X	11/14/2016	RSK-175	74-84-0	Ethane	3.2	ug/L		1.1	1.1	0.55	1
680-132143-3	G6M-02-12X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-3	G6M-02-12X	11/14/2016	RSK-175	74-82-8	Methane (TCD)	9400	ug/L		390	77	39	1
680-132143-3	G6M-02-12X	11/14/2016	SM 2320B		Alkalinity	210	mg/L		5	3.2	1.1	1
680-132143-4	XSA-12-95X	11/14/2016	6010C	7439-89-6	Iron	1,900	ug/L		50	50	17	1
680-132143-4	XSA-12-95X	11/14/2016	6010C	7439-96-5	Manganese	8,400	ug/L		10	3	1	1
680-132143-4	XSA-12-95X	11/14/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	83	ug/L		2	1	0.74	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-4	XSA-12-95X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-00-3	Chloroethane	5.5	ug/L		5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	78	ug/L		1	1	0.41	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	127-18-4	Tetrachloroethene	23	ug/L		1	1	0.74	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	4.3	ug/L		1	1	0.37	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	79-01-6	Trichloroethene	9.8	ug/L		1	1	0.48	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-4	XSA-12-95X	11/14/2016	8260B	75-01-4	Vinyl chloride	7.4	ug/L		1	1	0.5	1
680-132143-4	XSA-12-95X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-5	XSA-12-96X	11/14/2016	6010C	7439-89-6	Iron	1,200	ug/L		50	50	17	1
680-132143-5	XSA-12-96X	11/14/2016	6010C	7439-96-5	Manganese	6,300	ug/L		10	3	1	1
680-132143-5	XSA-12-96X	11/14/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	0.59	ug/L	J	1	1	0.36	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	0.68	ug/L	J	1	1	0.47	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	25	ug/L		2	1	0.74	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-00-3	Chloroethane	4.2	ug/L	J	5	5	2.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	20	ug/L		1	1	0.41	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.37	ug/L	J	1	0.5	0.33	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.6	ug/L		1	1	0.35	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	95-47-6	o-Xylene	0.67	ug/L	J	1	0.5	0.23	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	127-18-4	Tetrachloroethene	29	ug/L		1	1	0.74	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	108-88-3	Toluene	1.1	ug/L		1	1	0.48	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	4.9	ug/L		1	1	0.37	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	79-01-6	Trichloroethene	19	ug/L		1	1	0.48	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	75-01-4	Vinyl chloride	11	ug/L		1	1	0.5	1
680-132143-5	XSA-12-96X	11/14/2016	8260B	1330-20-7	Xylenes, Total	2.3	ug/L		2	0.5	0.23	1
680-132143-6	G6M-04-05X	11/14/2016	353.2		Nitrate/Nitrite-N	0.19	mg/L		0.1	0.05	0.019	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-6	G6M-04-05X	11/14/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-132143-6	G6M-04-05X	11/14/2016	6010C	7439-96-5	Manganese	20	ug/L		10	3	1	1
680-132143-6	G6M-04-05X	11/14/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-6	G6M-04-05X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	67-66-3	Chloroform	0.88	ug/L	J	1	1	0.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-6	G6M-04-05X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-6	G6M-04-05X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-6	G6M-04-05X	11/14/2016	9056A	14808-79-8	Sulfate	24	mg/L		1	1	0.4	1
680-132143-6	G6M-04-05X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	0.75	mg/L	J	1	0.5	0.16	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-6	G6M-04-05X	11/14/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132143-6	G6M-04-05X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-6	G6M-04-05X	11/14/2016	RSK-175	74-82-8	Methane	15	ug/L		0.58	0.58	0.29	1
680-132143-6	G6M-04-05X	11/14/2016	SM 2320B		Alkalinity	36	mg/L		5	3.2	1.1	1
680-132143-7	G6M-03-09X	11/14/2016	353.2		Nitrate/Nitrite-N	1.5	mg/L		0.1	0.05	0.019	1
680-132143-7	G6M-03-09X	11/14/2016	6010C	7439-89-6	Iron	50	ug/L	U	50	50	17	1
680-132143-7	G6M-03-09X	11/14/2016	6010C	7439-96-5	Manganese	90	ug/L		10	3	1	1
680-132143-7	G6M-03-09X	11/14/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-7	G6M-03-09X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.0	ug/L	U	1	1	0.74	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-7	G6M-03-09X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-7	G6M-03-09X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-7	G6M-03-09X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-7	G6M-03-09X	11/14/2016	9056A	14808-79-8	Sulfate	8.4	mg/L		1	1	0.4	1
680-132143-7	G6M-03-09X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	0.78	mg/L	J	1	0.5	0.16	1
680-132143-7	G6M-03-09X	11/14/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132143-7	G6M-03-09X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-7	G6M-03-09X	11/14/2016	RSK-175	74-82-8	Methane	0.58	ug/L	U	0.58	0.58	0.29	1
680-132143-7	G6M-03-09X	11/14/2016	SM 2320B		Alkalinity	31	mg/L		5	3.2	1.1	1
680-132143-8	G6M-04-07X	11/14/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132143-8	G6M-04-07X	11/14/2016	6010C	7439-89-6	Iron	1,900	ug/L		50	50	17	1
680-132143-8	G6M-04-07X	11/14/2016	6010C	7439-96-5	Manganese	4,400	ug/L		10	3	1	1
680-132143-8	G6M-04-07X	11/14/2016	6020A	7440-38-2	Arsenic	29	ug/L		3	3	1.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	73	ug/L		2	1	0.74	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-8	G6M-04-07X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	73	ug/L		1	1	0.41	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	127-18-4	Tetrachloroethene	78	ug/L		1	1	0.74	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1

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Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-8	G6M-04-07X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	0.42	ug/L	J	1	1	0.37	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	79-01-6	Trichloroethene	18	ug/L		1	1	0.48	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.8	ug/L		1	1	0.5	1
680-132143-8	G6M-04-07X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-8	G6M-04-07X	11/14/2016	9034	18496-25-8	Sulfide	1	mg/L	U	1	1	1	1
680-132143-8	G6M-04-07X	11/14/2016	9056A	14808-79-8	Sulfate	9.4	mg/L		1	1	0.4	1
680-132143-8	G6M-04-07X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	1.2	mg/L		1	0.5	0.16	1
680-132143-8	G6M-04-07X	11/14/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132143-8	G6M-04-07X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-8	G6M-04-07X	11/14/2016	RSK-175	74-82-8	Methane (TCD)	1000	ug/L		390	77	39	1
680-132143-8	G6M-04-07X	11/14/2016	SM 2320B		Alkalinity	160	mg/L		5	3.2	1.1	1
680-132143-9	G6M-04-06X	11/14/2016	353.2		Nitrate/Nitrite-N	0.05	mg/L	U	0.1	0.05	0.019	1
680-132143-9	G6M-04-06X	11/14/2016	6010C	7439-89-6	Iron	17	ug/L	J	50	50	17	1
680-132143-9	G6M-04-06X	11/14/2016	6010C	7439-96-5	Manganese	77	ug/L		10	3	1	1
680-132143-9	G6M-04-06X	11/14/2016	6020A	7440-38-2	Arsenic	3.0	ug/L	U	3	3	1.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	630-20-6	1,1,1,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	71-55-6	1,1,1-Trichloroethane	1.0	ug/L	U	1	1	0.37	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	79-34-5	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1	0.62	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	79-00-5	1,1,2-Trichloroethane	0.50	ug/L	U	1	0.5	0.33	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-34-3	1,1-Dichloroethane	1.0	ug/L	U	1	1	0.38	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-35-4	1,1-Dichloroethene	1.0	ug/L	U	1	1	0.36	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	563-58-6	1,1-Dichloropropene	1.0	ug/L	U	1	1	0.34	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	87-61-6	1,2,3-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	96-18-4	1,2,3-Trichloropropane	1.0	ug/L	U	1	1	0.39	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	120-82-1	1,2,4-Trichlorobenzene	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	95-63-6	1,2,4-Trimethylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	ug/L	U	5	2	1.1	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	95-50-1	1,2-Dichlorobenzene	1.0	ug/L	U	1	1	0.37	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	107-06-2	1,2-Dichloroethane	1.0	ug/L	U	1	1	0.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	540-59-0	1,2-Dichloroethene, Total	1.0	ug/L	U	2	1	0.74	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	78-87-5	1,2-Dichloropropane	1.0	ug/L	U	1	1	0.67	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	108-67-8	1,3,5-Trimethylbenzene	0.50	ug/L	U	1	0.5	0.31	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	541-73-1	1,3-Dichlorobenzene	1.0	ug/L	U	1	1	0.43	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	142-28-9	1,3-Dichloropropane	1.0	ug/L	U	1	1	0.34	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-9	G6M-04-06X	11/14/2016	8260B	106-46-7	1,4-Dichlorobenzene	1.0	ug/L	U	1	1	0.46	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	594-20-7	2,2-Dichloropropane	1.0	ug/L	U	1	1	0.37	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	78-93-3	2-Butanone (MEK)	10	ug/L	U	10	10	3.4	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	95-49-8	2-Chlorotoluene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	591-78-6	2-Hexanone	5.0	ug/L	U	10	5	2	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	106-43-4	4-Chlorotoluene	1.0	ug/L	U	1	1	0.45	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	99-87-6	4-Isopropyltoluene	1.0	ug/L	U	1	1	0.48	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	ug/L	U	10	5	2.1	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	67-64-1	Acetone	10	ug/L	U	10	10	7	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	71-43-2	Benzene	1.0	ug/L	U	1	1	0.43	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	108-86-1	Bromobenzene	1.0	ug/L	U	1	1	0.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-25-2	Bromoform	1.0	ug/L	U	1	1	0.43	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	74-83-9	Bromomethane	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-15-0	Carbon disulfide	2.0	ug/L	U	2	2	0.43	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	56-23-5	Carbon tetrachloride	0.50	ug/L	U	1	0.5	0.33	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	108-90-7	Chlorobenzene	0.50	ug/L	U	1	0.5	0.26	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	74-97-5	Chlorobromomethane	1.0	ug/L	U	1	1	0.45	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	124-48-1	Chlorodibromomethane	0.50	ug/L	U	1	0.5	0.32	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-00-3	Chloroethane	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	67-66-3	Chloroform	1.0	ug/L	U	1	1	0.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	74-87-3	Chloromethane	1.0	ug/L	U	1	1	0.4	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	156-59-2	cis-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.41	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	10061-01-5	cis-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.4	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	74-95-3	Dibromomethane	1.0	ug/L	U	1	1	0.35	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-27-4	Dichlorobromomethane	1.0	ug/L	U	1	1	0.44	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-71-8	Dichlorodifluoromethane	1.0	ug/L	U	1	1	0.6	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	100-41-4	Ethylbenzene	0.50	ug/L	U	1	0.5	0.33	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	106-93-4	Ethylene Dibromide	1.0	ug/L	U	1	1	0.44	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	87-68-3	Hexachlorobutadiene	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	98-82-8	Isopropylbenzene	1.0	ug/L	U	1	1	0.35	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	1634-04-4	Methyl tert-butyl ether	0.50	ug/L	U	10	0.5	0.3	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-09-2	Methylene Chloride	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	179601-23-1	m-Xylene & p-Xylene	1.0	ug/L	U	1	1	0.35	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	91-20-3	Naphthalene	5.0	ug/L	U	5	5	2.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	104-51-8	n-Butylbenzene	1.0	ug/L	U	1	1	0.47	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	103-65-1	N-Propylbenzene	1.0	ug/L	U	1	1	0.38	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	95-47-6	o-Xylene	0.50	ug/L	U	1	0.5	0.23	1

AOC 50 Fall 2016 Validated Analytical Results

Lab Sample ID	Client Sample ID	Collection Date	Analysis Method	CAS	Analyte	Result	Unit	Flag	LOQ	LOD	DL	Dilution Factor
680-132143-9	G6M-04-06X	11/14/2016	8260B	135-98-8	sec-Butylbenzene	1.0	ug/L	U	1	1	0.42	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	100-42-5	Styrene	0.50	ug/L	U	1	0.5	0.27	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	98-06-6	tert-Butylbenzene	1.0	ug/L	U	1	1	0.45	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	127-18-4	Tetrachloroethene	1.5	ug/L		1	1	0.74	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	108-88-3	Toluene	1.0	ug/L	U	1	1	0.48	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	156-60-5	trans-1,2-Dichloroethene	1.0	ug/L	U	1	1	0.37	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	10061-02-6	trans-1,3-Dichloropropene	1.0	ug/L	U	1	1	0.42	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	79-01-6	Trichloroethene	1.0	ug/L	U	1	1	0.48	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-69-4	Trichlorofluoromethane	1.0	ug/L	U	1	1	0.42	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	108-05-4	Vinyl acetate	2.0	ug/L	U	2	2	0.81	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	75-01-4	Vinyl chloride	1.0	ug/L	U	1	1	0.5	1
680-132143-9	G6M-04-06X	11/14/2016	8260B	1330-20-7	Xylenes, Total	0.50	ug/L	U	2	0.5	0.23	1
680-132143-9	G6M-04-06X	11/14/2016	9034	18496-25-8	Sulfide	2	mg/L		1	1	1	1
680-132143-9	G6M-04-06X	11/14/2016	9056A	14808-79-8	Sulfate	15	mg/L		1	1	0.4	1
680-132143-9	G6M-04-06X	11/14/2016	9060A	7440-44-0	Total Organic Carbon - Duplicates	1	mg/L		1	0.5	0.16	1
680-132143-9	G6M-04-06X	11/14/2016	RSK-175	74-84-0	Ethane	1.1	ug/L	U	1.1	1.1	0.55	1
680-132143-9	G6M-04-06X	11/14/2016	RSK-175	74-85-1	Ethylene	1	ug/L	U	1	1	0.5	1
680-132143-9	G6M-04-06X	11/14/2016	RSK-175	74-82-8	Methane	0.82	ug/L		0.58	0.58	0.29	1
680-132143-9	G6M-04-06X	11/14/2016	SM 2320B		Alkalinity	62	mg/L		5	3.2	1.1	1

Notes:

Qualified validated data

µg/L = microgram per liter

mg/L = milligram per liter

U = non-detect

UJ = Estimated non-detect

J = Estimated result

LOQ = Limit of quantitation

LOD = Limit of Detection

MDL = Method Detection Limit

APPENDIX D
ANNUAL LAND USE CONTROL PLAN CHECKLIST

Annual Land Use Control Plan Checklist for AOC 50

This checklist has been developed from the USEPA guidance document Comprehensive Five Year Review Guidance dated June 2001 (OSWER No. 9355.7-03B-P) and from Section 4.6 of the Remedial Action Work Plan, AOC 50, Devens, Massachusetts Site (Arcadis, 2005). The Checklist was modified to site-specific conditions as recommended by the guidance document. The checklist will be completed annually and submitted with the AOC 50 annual operations, maintenance and monitoring report. The checklist will also be used to assist in compiling information for the five-year review.

I. Site Information			
Site Name/Location: AOC 50		Name/Affiliation: Laurie Ekes/KGS	
Date: March 6, 2017			
Remedy Includes: Enhanced Reduction Dechlorination, Long Term Monitoring, Institutional Controls			
Inspectors: Jim Ropp, Lynne Klosterman			
Participants: KGS			
II. Documentation and Records			
Item	Yes	No	Comments
Any related notices filed with Town of Ayer, MassDEP or Nashoba BOH?		X	
Any related Department of Public Works permits found?		X	
Any related zoning permits or variances found?		X	
Any related Conservation Commission findings, proposals or notices of intent found?		X	
Any related notices or permits filed with the Devens Enterprise Commission?		X	
II. Physical On-Site Inspection			
Item	Yes	No	Comments
Any construction activities or new buildings present in the area of the remedy?		X	
Is there evidence of damage to the remedy?		X	
Any groundwater supply wells present?		X	
Any construction detention ponds?		X	
Is there sufficient access to the site for monitoring?	X		Sampling events are scheduled around Mass State Police training on the runway.

Annual Land Use Control Plan Checklist for AOC 50

IV. Interview

Name of Interviewer: Laurie Ekes/KGS

Name of Interviewee: Ms. Libby Herland

Position: Project leader; Eastern Massachusetts NWR Complex; Oxbow National Wildlife Refuge

Office: USFW, 73 Weir Road, Sudbury, MA 01776

Location of Interview: Phone (978)579-4026. Email: libby_herland@fsw.gov

Notes: Ms. Herland noted in an email that she will be retiring by the end of the calendar year 2017 and correspndence after 9/30/17 should be directed to Tom Eagle, Deputy Refuge Manager (978)579-4027. (email: Tom_eagle@fws.gov).

Item	Yes	No	Comments
Has the interviewee received/read the annual IC notification/reinforcement letter from the Army?	X		Letter sent in an email. Received email response from Ms. Herland. Spoke to Ms. Herland, she confirmed no changes in 2016.
Is interviewee familiar with the land use controls imposed upon the property & documentation of these controls?	X		
Are there any pumping wells or other sources of water other than those aupplied by the Town at the property?		X	
Are there any proposed plans for property sale, future development, construction or demolition activities at the property?		X	Spoke to Ms. Herland, she stated that USFW has no structures on the property and no plans for any future activities.
Are there any issues with site access for monitoring and remediation?		X	

V. Response Actions

Item	Yes	No	Comments
Were violations of the LUCs present ?		X	
Are there Response Actions necessary based on the violations?		X	
Are modifications/ terminations of LUC's necessary?		X	
Have Enforcement Actions been taken during this reporting period?		X	

If any response above are "Yes", please provide coments.

Annual Land Use Control Plan Checklist for AOC 50

IV. Interview

Name of Interviewer: Laurie Ekes/KGS

Name of Interviewee: Mr. Ron Ostrowski

Position: Mass Development

Office: MassDevelopment, Devens Commerce Center, 33 Andrews Parkway, Devens, MA 01432

Location of Interview: Phone (978) 784-2900. Email: Rostrowski@Massdevelopment.com

Notes: No changes in 2016.

Item	Yes	No	Comments
Has the interviewee received/read the annual IC notification/reinforcement letter from the Army?			N/A Mr. Ostrowsk is familiar with the Devens sites and does not receive a letter.
Is interviewee familiar with the land use controls imposed upon the property & documentation of these controls?	X		
Are there any pumping wells or other sources of water other than those aupplied by the Town at the property?		X	
Are there any proposed plans for property sale, future development, construction or demolition activities at the property?		X	Mr. Ostrowski noted that there are plans in 2017 to upgrade the existing pavement on the track around the airfield. Plans will be presented to the BCT in Spring of 2017.
Are there any issues with site access for monitoring and remediation?		X	

V. Response Actions

Item	Yes	No	Comments
Were violations of the LUCs present ?		X	
Are there Response Actions necessary based on the violations?		X	
Are modifications/ terminations of LUC's necessary?		X	
Have Enforcement Actions been taken during this reporting period?		X	

Annual Land Use Control Plan Checklist for AOC 50

IV. Interview

Name of Interviewer: Laurie Ekes/KGS

Name of Interviewee: Mr. Henry Woodle

Position: Groton Ayer Realty Trust

Office: Fitchburg Road, Ayer, MA (mailing address PO Box 353, Ayer, MA 01432)

Location of Interview: Phone (978) 449-0100. Email: HTWoodle@gmail.com

Notes: No changes in 2016.

Item	Yes	No	Comments
Has the interviewee received/read the annual IC notification/reinforcement letter from the Army?	X		He received the letter. He asked if we're continuing to sample and I noted we were to begin sampling out there next week.
Is interviewee familiar with the land use controls imposed upon the property & documentation of these controls?	X		
Are there any pumping wells or other sources of water other than those aupplied by the Town at the property?		X	
Are there any proposed plans for property sale, future development, construction or demolition activities at the property?		X	
Are there any issues with site access for monitoring and remediation?		X	

V. Response Actions

Item	Yes	No	Comments
Were violations of the LUCs present ?		X	
Are there Response Actions necessary based on the violations?		X	
Are modifications/ terminations of LUC's necessary?		X	
Have Enforcement Actions been taken during this reporting period?		X	

APPENDIX C
ANALYTICAL DATA VALIDATION REPORTS (on CD)

APPENDIX D
ANNUAL LAND USE CONTROL PLAN CHECKLIST

Annual Land Use Control Plan Checklist for AOC 50

This checklist has been developed from the USEPA guidance document Comprehensive Five Year Review Guidance dated June 2001 (OSWER No. 9355.7-03B-P) and from Section 4.6 of the Remedial Action Work Plan, AOC 50, Devens, Massachusetts Site (Arcadis, 2005). The Checklist was modified to site-specific conditions as recommended by the guidance document. The checklist will be completed annually and submitted with the AOC 50 annual operations, maintenance and monitoring report. The checklist will also be used to assist in compiling information for the five-year review.

I. Site Information			
Site Name/Location: AOC 50		Name/Affiliation: Laurie Ekes/KGS	
Date: March 6, 2017			
Remedy Includes: Enhanced Reduction Dechlorination, Long Term Monitoring, Institutional Controls			
Inspectors: Jim Ropp, Lynne Klosterman			
Participants: KGS			
II. Documentation and Records			
Item	Yes	No	Comments
Any related notices filed with Town of Ayer, MassDEP or Nashoba BOH?		X	
Any related Department of Public Works permits found?		X	
Any related zoning permits or variances found?		X	
Any related Conservation Commission findings, proposals or notices of intent found?		X	
Any related notices or permits filed with the Devens Enterprise Commission?		X	
II. Physical On-Site Inspection			
Item	Yes	No	Comments
Any construction activities or new buildings present in the area of the remedy?		X	
Is there evidence of damage to the remedy?		X	
Any groundwater supply wells present?		X	
Any construction detention ponds?		X	
Is there sufficient access to the site for monitoring?	X		Sampling events are scheduled around Mass State Police training on the runway.

Annual Land Use Control Plan Checklist for AOC 50

IV. Interview

Name of Interviewer: Laurie Ekes/KGS

Name of Interviewee: Ms. Libby Herland

Position: Project leader; Eastern Massachusetts NWR Complex; Oxbow National Wildlife Refuge

Office: USFW, 73 Weir Road, Sudbury, MA 01776

Location of Interview: Phone (978)579-4026. Email: libby_herland@fsw.gov

Notes: Ms. Herland noted in an email that she will be retiring by the end of the calendar year 2017 and correspndence after 9/30/17 should be directed to Tom Eagle, Deputy Refuge Manager (978)579-4027. (email: Tom_eagle@fws.gov).

Item	Yes	No	Comments
Has the interviewee received/read the annual IC notification/reinforcement letter from the Army?	X		Letter sent in an email. Received email response from Ms. Herland. Spoke to Ms. Herland, she confirmed no changes in 2016.
Is interviewee familiar with the land use controls imposed upon the property & documentation of these controls?	X		
Are there any pumping wells or other sources of water other than those aupplied by the Town at the property?		X	
Are there any proposed plans for property sale, future development, construction or demolition activities at the property?		X	Spoke to Ms. Herland, she stated that USFW has no structures on the property and no plans for any future activities.
Are there any issues with site access for monitoring and remediation?		X	

V. Response Actions

Item	Yes	No	Comments
Were violations of the LUCs present ?		X	
Are there Response Actions necessary based on the violations?		X	
Are modifications/ terminations of LUC's necessary?		X	
Have Enforcement Actions been taken during this reporting period?		X	

If any response above are "Yes", please provide coments.

Annual Land Use Control Plan Checklist for AOC 50

IV. Interview

Name of Interviewer: Laurie Ekes/KGS

Name of Interviewee: Mr. Ron Ostrowski

Position: Mass Development

Office: MassDevelopment, Devens Commerce Center, 33 Andrews Parkway, Devens, MA 01432

Location of Interview: Phone (978) 784-2900. Email: Rostrowski@Massdevelopment.com

Notes: No changes in 2016.

Item	Yes	No	Comments
Has the interviewee received/read the annual IC notification/reinforcement letter from the Army?			N/A Mr. Ostrowsk is familiar with the Devens sites and does not receive a letter.
Is interviewee familiar with the land use controls imposed upon the property & documentation of these controls?	X		
Are there any pumping wells or other sources of water other than those aupplied by the Town at the property?		X	
Are there any proposed plans for property sale, future development, construction or demolition activities at the property?		X	Mr. Ostrowski noted that there are plans in 2017 to upgrade the existing pavement on the track around the airfield. Plans will be presented to the BCT in Spring of 2017.
Are there any issues with site access for monitoring and remediation?		X	

V. Response Actions

Item	Yes	No	Comments
Were violations of the LUCs present ?		X	
Are there Response Actions necessary based on the violations?		X	
Are modifications/ terminations of LUC's necessary?		X	
Have Enforcement Actions been taken during this reporting period?		X	

Annual Land Use Control Plan Checklist for AOC 50

IV. Interview

Name of Interviewer: Laurie Ekes/KGS

Name of Interviewee: Mr. Henry Woodle

Position: Groton Ayer Realty Trust

Office: Fitchburg Road, Ayer, MA (mailing address PO Box 353, Ayer, MA 01432)

Location of Interview: Phone (978) 449-0100. Email: HTWoodle@gmail.com

Notes: No changes in 2016.

Item	Yes	No	Comments
Has the interviewee received/read the annual IC notification/reinforcement letter from the Army?	X		He received the letter. He asked if we're continuing to sample and I noted we were to begin sampling out there next week.
Is interviewee familiar with the land use controls imposed upon the property & documentation of these controls?	X		
Are there any pumping wells or other sources of water other than those aupplied by the Town at the property?		X	
Are there any proposed plans for property sale, future development, construction or demolition activities at the property?		X	
Are there any issues with site access for monitoring and remediation?		X	

V. Response Actions

Item	Yes	No	Comments
Were violations of the LUCs present ?		X	
Are there Response Actions necessary based on the violations?		X	
Are modifications/ terminations of LUC's necessary?		X	
Have Enforcement Actions been taken during this reporting period?		X	

APPENDIX E
DATA FROM AOC 50 2013 ANNUAL REPORT

Table 1
Groundwater Profiling Results - Volatile Organic Compounds
Area of Contamination 50
September to October 2013

			Laboratory Parameters												
			PCE	TCE	*cis* -1,2-DCE	*trans* -1,2-DCE	1,1-DCE	VC	Bromodichloromethane	Benzene	Chloroform	Methylene chloride	1,2-Dichloropropane	Carbon Tetrachloride	Total Xylenes	Chloromethane
Regulatory Compliance Concentration			**5**	**5**	**70**	**100**	**7**	**2**	**3**	**5**	**70**	**5**	**5**	**5**	**10,000**	**NE**
Area of Concern/Refusal Depth (Feet bgs)	**Sample/Well ID**	**Date**	**(µg/L)**													
Area 1 76.5	GP-13-03-017	9/16/2013	**50**	**2.4**	**8.0**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
	GP-13-03-027	9/16/2013	**0.83**	**0.78**	**0.60**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-03-037	9/16/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-03-047	9/16/2013	0.43J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-03-057	9/16/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-03-067	9/16/2013	**0.85**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-03-076.5	9/16/2013	**0.99**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 73	GP-13-04-020	10/4/2013	0.5U	0.5U	0.27J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-04-027	9/17/2013	**0.69**	0.31J	**0.62**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-04-037	9/17/2013	**2.1**	0.5U	**0.65**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-04-047	9/17/2013	**0.87**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-04-057	10/4/2013	0.5U	0.5U	0.22J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-04-067	9/17/2013	**1.6**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-04-073	9/17/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 75	GP-13-05-017	9/17/2013	0.27J	0.27J	**0.53**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**0.51**	0.5U	0.5U	0.5U	0.5U
	GP-13-05-027	9/17/2013	**1.4**	**3.9**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-05-037	9/17/2013	**1.0**	0.5U	**1.2**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-05-047	9/17/2013	**0.64**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-05-057	9/18/2013	**3.7**	0.5U	0.26J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-05-067	9/18/2013	0.22J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-05-075	9/18/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 77	GP-13-06-017	9/18/2013	0.21J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-06-027	9/18/2013	**0.59**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-06-037	9/18/2013	**1.2**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-06-047	9/18/2013	**1.3**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-06-057	9/19/2013	**69**	**12**	**55**	1.2J	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	**5.7**	2.0U	2.0U	2.0U
	GP-13-06-067	9/19/2013	**87**	**17**	**67**	1.3J	2.5U	1.0J	1.0J	2.5U	2.5U	2.5U	**3.2**	2.5U	2.5U	2.5U
	GP-13-06-077	9/19/2013	0.30J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 75	GP-13-07-015	9/19/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-07-025	9/19/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-07-035	9/19/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-07-045	9/19/2013	0.31J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-07-055	9/19/2013	**0.63**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-07-065	9/19/2013	**0.53**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-07-075	9/19/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 75	GP-13-08-015	9/16/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-08-025	9/16/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-08-035	9/16/2013	0.5U	0.5U	**1.4**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-08-045	9/16/2013	4.3J	8.0U	**350**	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U
	GP-13-08-055	9/16/2013	**1,000**	**340**	**23**	16U	16U	16U	16U	16U	16U	16U	16U	16U	16U	16U
	GP-13-08-065	9/16/2013	**41**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
	GP-13-08-075	9/16/2013	**1.0**	0.5U	0.32J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Table 1
Groundwater Profiling Results - Volatile Organic Compounds
Area of Contamination 50
September to October 2013

			Laboratory Parameters												
			PCE	TCE	*cis* -1,2-DCE	*trans* -1,2-DCE	1,1-DCE	VC	Bromodichloromethane	Benzene	Chloroform	Methylene chloride	1,2-Dichloropropane	Carbon Tetrachloride	Total Xylenes	Chloromethane
Regulatory Compliance Concentration			5	5	70	100	7	2	3	5	70	5	5	5	10,000	NE
Area of Concern/Refusal Depth (Feet bgs)	**Sample/Well ID**	**Date**	(µg/L)													
Area 1 75	GP-13-09-015	9/17/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-09-025	9/17/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-09-035	9/17/2013	0.5U	0.25J	**0.52**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.44J	0.5U
	GP-13-09-045	9/17/2013	**4.7**	**2.2**	**70**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
	GP-13-09-055	9/17/2013	**800**	**6.4J**	**220**	16U	16U	16U	16U	16U	16U	16U	16U	16U	16U	16U
	GP-13-09-065	9/17/2013	**4,900**	100U	**71J**	100U	100U	100U	100U	100U	100U	100U	100U	100U	100U	100U
	GP-13-09-075	9/17/2013	**0.89**	0.5U	0.28J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 75	GP-13-16-015	9/18/2013	**0.50**	0.30J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-16-025	9/18/2013	**9.1**	**2.9**	**5.1**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-16-035	9/18/2013	5.0U	5.0U	**250**	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
	GP-13-16-045	9/18/2013	**13**	10U	**410**	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
	GP-13-16-055	9/18/2013	**13**	5.0U	**210**	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
	GP-13-16-065	9/18/2013	**160**	**110**	**1,300**	25U	25U	25U	25U	25U	25U	25U	25U	25U	25U	25U
	GP-13-16-075	9/18/2013	**2.7**	2.5U	**130**	2.5U	2.5U	1.0J	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U
Area 1 71.1	GP-13-17-016	9/10/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-17-026	9/10/2013	2.0U	2.0U	**160**	2.0U	2.0U	1.6J	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
	GP-13-17-036	9/11/2013	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U
	GP-13-17-046	9/11/2013	5.0U	5.0U	**260**	5.0U	5.0U	**9.3**	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
	GP-13-17-057	9/11/2013	**1,500**	**77**	**1,000**	25U	25U	**67**	25U	25U	25U	25U	25U	25U	25U	25U
	GP-13-17-066	9/11/2013	**2.9**	**37**	**58**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 1 70	GP-13-18-017	9/11/2013	**0.83**	0.29J	**0.73**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-18-027	9/12/2013	**7.3**	0.53	**9.1**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-18-037	9/12/2013	**84**	**8.0U**	**340**	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U	8.0U
	GP-13-18-047	9/12/2013	**2600**	**44J**	**310**	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U
	GP-13-18-057	9/12/2013	**7400**	200U	**97J**	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U	200U
	GP-13-18-067	9/12/2013	**82**	**44**	**1100**	25U	25U	25U	25U	25U	25U	25U	25U	25U	25U	25U
Area 1 61.5	GP-13-19-017	9/12/2013	**0.29J**	0.5U	**0.56**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-19-027	9/12/2013	**2.1**	**2.1**	0.25J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-19-037	9/12/2013	0.32J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-19-047	9/12/2013	**780**	**19**	**98**	10U	10U	10U	10U	10U	10U	**12**	10U	10U	10U	10U
	GP-13-19-057	9/16/2013	**1,300**	40U	**73**	40U	40U	40U	0.5U	0.5U	40U	40U	40U	40U	40U	40U
	GP-13-19-61.5	9/16/2013	**740**	**51**	**1,700**	40U	40U	40U	40U	40U	40U	40U	40U	40U	40U	40U
Area 1 63.2	GP-13-20-017	9/9/2013	**0.53**	0.5U	0.29J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-20-027	9/9/2013	**0.82**	0.25J	**2.3**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-20-036	9/10/2013	**1.1**	**0.70**	**1.7**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-20-046	9/10/2013	**52**	**19**	**120**	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	**3.2**	2.0U	2.0U	2.0U
	GP-13-20-056	9/10/2013	**1,500**	**15J**	**130**	25U	25U	25U	25U	25U	25U	25U	25U	25U	25U	25U
	GP-13-20-063	9/10/2013	**2,400**	**280**	**150**	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U

Table 1
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Area of Contamination 50
September to October 2013

			Laboratory Parameters												
			PCE	TCE	*cis* -1,2-DCE	*trans* -1,2-DCE	1,1-DCE	VC	Bromodichloromethane	Benzene	Chloroform	Methylene chloride	1,2-Dichloropropane	Carbon Tetrachloride	Total Xylenes	Chloromethane
Regulatory Compliance Concentration			**5**	**5**	**70**	**100**	**7**	**2**	**3**	**5**	**70**	**5**	**5**	**5**	**10,000**	**NE**
Area of Concern/Refusal Depth (Feet bgs)	**Sample/Well ID**	**Date**	**(µg/L)**													
Area 1 62.5	GP-13-21-16	9/5/2013	**2.6**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-21-26	9/5/2013	**3.2**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-21-36	9/9/2013	**12**	**2.2**	**7.0**	0.5U	0.5U	0.5U	0.5U	0.5U	0.48J	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-21-46	9/9/2013	**12**	**2.9**	**9.3**	0.23J	0.5U	0.5U	0.5U	0.5U	0.45J	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-21-56	9/9/2013	**1,100**	**14J**	**110**	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U
	GP-13-21-62	9/9/2013	**570**	**15**	**100**	10U	10U	10U	10U	10U	10U	**13**	10U	10U	10U	10U
Area 1 59	GP-13-22-016	9/5/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-22-026	9/5/2013	**8.4**	**0.92**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-22-036	9/5/2013	**8.5**	**2.5**	**0.93**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-22-049	9/5/2013	**390**	10U	**33**	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
	GP-13-22-056	9/5/2013	**120**	**1.9J**	**13**	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U
Area 1 43	GP-13-23-016	9/4/2013	**0.57**	**0.82**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-23-026	9/4/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-23-036	9/4/2013	**0.43J**	**0.72**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-23-043	9/4/2013	**0.30J**	**0.44J**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 2 111	GP-13-01-065	9/25/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-01-075	9/25/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-01-085	9/25/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-01-095	9/25/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-01-105	9/25/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-01-111	9/25/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 2 119	GP-13-24-064	9/24/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-24-073	9/24/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-24-084	9/24/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-24-095	9/24/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-24-105	9/24/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-24-115	9/24/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 3 112	GP-13-14-060	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-14-070	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**3.1**	0.5U	0.5U	0.5U	0.5U	**5.4**	0.5U
	GP-13-14-080	10/2/2013	**0.35J**	0.5U	0.5U	0.5U	0.5U	0.5U	**0.24J**	0.5U	**0.43J**	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-14-090	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-14-100	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-14-110	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 3 122	GP-13-15-070	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-15-080	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-15-090	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-15-100	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-15-110	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-15-120	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Table 1
Groundwater Profiling Results - Volatile Organic Compounds
Area of Contamination 50
September to October 2013

			Laboratory Parameters													
			PCE	TCE	*cis* -1,2-DCE	*trans* -1,2-DCE	1,1-DCE	VC	Bromodichloromethane	Benzene	Chloroform	Methylene chloride	1,2-Dichloropropane	Carbon Tetrachloride	Total Xylenes	Chloromethane
Regulatory Compliance Concentration			**5**	**5**	**70**	**100**	**7**	**2**	**3**	**5**	**70**	**5**	**5**	**5**	**10,000**	**NE**
Area of Concern/Refusal Depth (Feet bgs)	**Sample/Well ID**	**Date**	**(µg/L)**													
Area 4 164	GP-13-12-064	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-12-074	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-12-084	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-12-094	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-12-104	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-12-114	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**1.8**	0.5U	0.5U	0.5U	0.5U
	GP-13-12-124	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**0.65**	0.5U	0.5U	0.5U	0.5U
	GP-13-12-134	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.24J	0.5U	0.5U	0.5U	0.5U
	GP-13-12-144	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.49J
	GP-13-12-154	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-12-164	10/1/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 4 160	GP-13-13-070	9/6/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-080	9/6/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-090	9/6/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.32J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-100	9/6/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-110	9/9/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**0.56**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-120	9/9/2013	**50**	**4.5**	**5.0**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
	GP-13-13-130	10/2/2013	**4.9**	**6.1**	**110**	2.9J	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U	4.0U
	GP-13-13-140	10/2/2013	**0.87**	**0.65**	**3.5**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-150	10/2/2013	**0.20J**	0.5U	**1.5**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-13-160	10/2/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 4 144	GP-13-25-74	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-84	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-94	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-104	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-114	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-124	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-134	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	GP-13-25-144	10/4/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Area 5 147	GP-13-02-074	10/3/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-084	10/3/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-094	10/3/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-104	10/3/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-114	10/3/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-124	10/3/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-134	10/3/2013	0.27J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-02-144	10/3/2013	**3.7**	0.31J	**0.52**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Area 5 146	GP-13-10-074	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-10-084	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-10-094	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-10-104	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-10-114	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-10-124	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-10-134	9/26/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

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Area of Contamination 50
September to October 2013

			Laboratory Parameters												
			PCE	TCE	*cis* -1,2-DCE	*trans* -1,2-DCE	1,1-DCE	VC	Bromodichloromethane	Benzene	Chloroform	Methylene chloride	1,2-Dichloropropane	Carbon Tetrachloride	Total Xylenes	Chloromethane
Regulatory Compliance Concentration			**5**	**5**	**70**	**100**	**7**	**2**	**3**	**5**	**70**	**5**	**5**	**5**	**10,000**	**NE**
Area of Concern/Refusal Depth (Feet bgs)	**Sample/Well ID**	**Date**	**(µg/L)**													
Area 5 160	GP-13-11-070	9/10/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-080	9/10/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-090	9/10/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-100	9/10/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-110	9/11/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-120	9/11/2013	0.22J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-140	9/11/2013	**170**	5U	**5.4**	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
	GP-13-11-150	9/12/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	GP-13-11-160	9/13/2013	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Notes:

J	Estimated value
U	Less than the laboratory detection limit
Bold	> Laboratory Detection
Bold	>Compliance Reference Concentration

Acronyms:

µg/L	micrograms per liter	VC	Vinyl Chloride
PCE	Tetrachloroethylene	bgs	below ground surface
TCE	Trichloroethylene	NE	Not Established
cis-1,2-DCE	cis-1,2-Dichloroethene	NS	Not Sampled due to inadequate water yield
trans-1,2-DCE	trans-1,2-Dichlorothene		
1,1-DCE	1,1-Dichloroethene)		