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August 11, 2017

VIA OVERNIGHT CARRIER

Mr. James R. Carroll
Program Administrator
Land Restoration Program
Land Management Administration
Maryland Department of the Environment
1800 Washington Road, Suite 625
Baltimore, Maryland 21230

Re: Transmittal of the Technical Memorandum: March 2017 Surface-Water Sampling Results
Martin State Airport, 701 Wilson Point Road, Middle River, Maryland

Dear Mr. Carroll:

For your use and reference, please find enclosed two hard copies with CDs of the above-referenced document. This document presents the analytical results of the March surface water samples collected in Frog Mortar Creek adjacent to the Dump Road Area at Martin State Airport in Middle River, Maryland.

If you have any questions or require any additional information please contact me by phone at 240-687-1813, or via e-mail at paul.e.calligan@lmco.com.

Sincerely,

A handwritten signature in black ink that reads "Paul E. Calligan".

Paul E. Calligan, P.G.
Project Lead, Environmental Remediation
Lockheed Martin Corporation

cc: (via email without enclosure)
Anuradha Mohanty, MDE
Christine Kline, Lockheed Martin
Norm Varney, Lockheed Martin
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Peter Shilland, CDM Smith

cc: (via shipping courier; with enclosures)
Mark Williams, Maryland Aviation Administration
Al Pollard, Martin State Airport

cc: (via mail with CD enclosure)
Jann Richardson, Lockheed Martin
Pete Lekas, EA Environmental

**Technical Memorandum:
March 2017
Surface-Water Sampling Results
for Frog Mortar Creek
Martin State Airport
701 Wilson Point Road
Middle River, Maryland**

Prepared for:
Lockheed Martin Corporation

Prepared by:
Tetra Tech, Inc.

August 2017



Michael Martin, P.G.
Regional Manager



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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
ACRONYMS	iii
1 INTRODUCTION	1-1
2 SITE BACKGROUND AND PREVIOUS INVESTIGATIONS	2-1
3 INVESTIGATION APPROACH AND METHODOLOGY.....	3-1
3.1 SURFACE-WATER SAMPLING.....	3-1
3.1.1 Surface Water Sampling and Chemical Analyses	3-1
3.1.2 Documentation.....	3-4
3.1.3 Sample Nomenclature and Handling	3-4
3.1.4 Equipment Decontamination	3-5
3.1.5 Waste Management	3-5
3.2 DATA MANAGEMENT.....	3-5
3.2.1 Data Tracking and Control.....	3-5
3.2.2 Sample Information	3-6
3.2.3 Project Data Compilation.....	3-6
3.2.4 Geographic Information System	3-6
3.3 DATA REVIEW	3-6
4 RESULTS	4-1
4.1 SURFACE-WATER DATA AND SCREENING CRITERIA.....	4-1
4.2 SURFACE-WATER SAMPLING RESULTS.....	4-2
4.2.1 Volatile Organic Compounds	4-3
4.2.2 Metals.....	4-6
4.2.3 Hexavalent Chromium	4-6
4.3 UPCOMING 2017 SAMPLING ROUND.....	4-7
5 SUMMARY	5-1
6 REFERENCES	6-1

APPENDICES

**APPENDIX A—FIELD MEASUREMENTS FOR WATER QUALITY AND SURFACE-
WATER-SAMPLE LOG SHEETS**

APPENDIX B—DATA-VALIDATION REPORTS

APPENDIX C—CHEMICAL-RESULTS DATA TABLE

TABLE OF CONTENTS (continued)

LIST OF FIGURES

	<u>Page</u>
Figure 1-1	Martin State Airport, Dump Road Area, and Frog Mortar Creek Location Map 1-3
Figure 2-1	Martin State Airport and Surrounding Features 2-3
Figure 2-2	Site Features and Areas of Concern, Dump Road Area 2-4
Figure 3-1	March 2017 Surface Water Sampling Locations 3-9
Figure 4-1	Concentrations of Trichloroethene in Surface Water Samples, March 2017 4-22
Figure 4-2	Concentrations of <i>cis</i> -1,2-Dichloroethene in Surface Water Samples, March 2017 4-23
Figure 4-3	Concentrations of Vinyl Chloride in Surface Water Samples, March 2017 4-24
Figure 4-4	Concentrations of Trichloroethene, <i>cis</i> -1,2-Dichloroethene, and Vinyl Chloride along Surface Water Sampling Transects for March 2017, December 2016, and March 2016..... 4-25

LIST OF TABLES

	<u>Page</u>
Table 3-1	List of Samples and Chemical Analyses for Surface Water— March 2017 3-8
Table 4-1	Summary of Analytes Detected in Surface Water Samples— March 2017 4-8
Table 4-2	Detected Analytes and Screening Level Exceedances in Surface Water Samples—March 2017 4-9
Table 4-3	Surface Water Chemical Results for Primary Volatile Organic Compounds for March 2017, December 2016, and March 2016..... 4-21

ACRONYMS

AWQC	ambient water quality criteria
BTAG	Biological Technical Advisory Group
BTEX	benzene, toluene, ethylbenzene, and xylenes
<i>cis</i> -1,2-DCE	<i>cis</i> -1,2-dichloroethene
COMAR	<i>Code of Maryland Regulations</i>
cVOC	chlorinated volatile organic compound
DRA	Dump Road Area
EL	Edwards Lane
GIS	geographic information system
IDW	investigation-derived waste
Lockheed Martin	Lockheed Martin Corporation
MAA	Maryland Aviation Administration
MDE	Maryland Department of the Environment
MDANG	Maryland Air National Guard
mg/L	milligram(s) per liter
MSA	Martin State Airport
µg/L	microgram(s) per liter
NOAA	National Oceanic and Atmospheric Administration
NRWQC	national recommended water quality criteria
PDF	portable document format
PPE	personal protective equipment
SVOC	semivolatile organic compound
TB	trip blank
TCE	trichloroethene
Tetra Tech	Tetra Tech, Inc.
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound

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Section 1

Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared this technical memorandum presenting sampling results for surface water samples collected in Frog Mortar Creek adjacent to the Dump Road Area (DRA) at Martin State Airport (MSA) in Middle River, Maryland (see Figure 1-1). Surface water was sampled according to the *2017 Surface Water Sampling Work Plan* (Tetra Tech, 2016). This technical memorandum presents the analytical results for surface water samples collected from Frog Mortar Creek on March 9, 2017.

This investigation obtained additional chemical and spatial-distribution data for volatile organic compounds (VOCs) and metals in creek surface water that might emanate from a groundwater plume at the Dump Road Area of Martin State Airport, and for volatile organic compounds possibly originating from upgradient sources. Results herein are compared to screening levels intended to protect human health and the environment. These data will provide information to:

- evaluate the interaction between Frog Mortar Creek and shallow groundwater in the Dump Road Area
- assess possible localized seepage of contaminated groundwater to creek surface waters, using sampling locations for nine established western-shoreline transects, four single-sampling locations between transects, and one eastern-shoreline transect
- assess human health risks for recreational users of Frog Mortar Creek
- update modeling for shallow-groundwater flow patterns and groundwater discharge to Frog Mortar Creek

This technical memorandum is organized as follows:

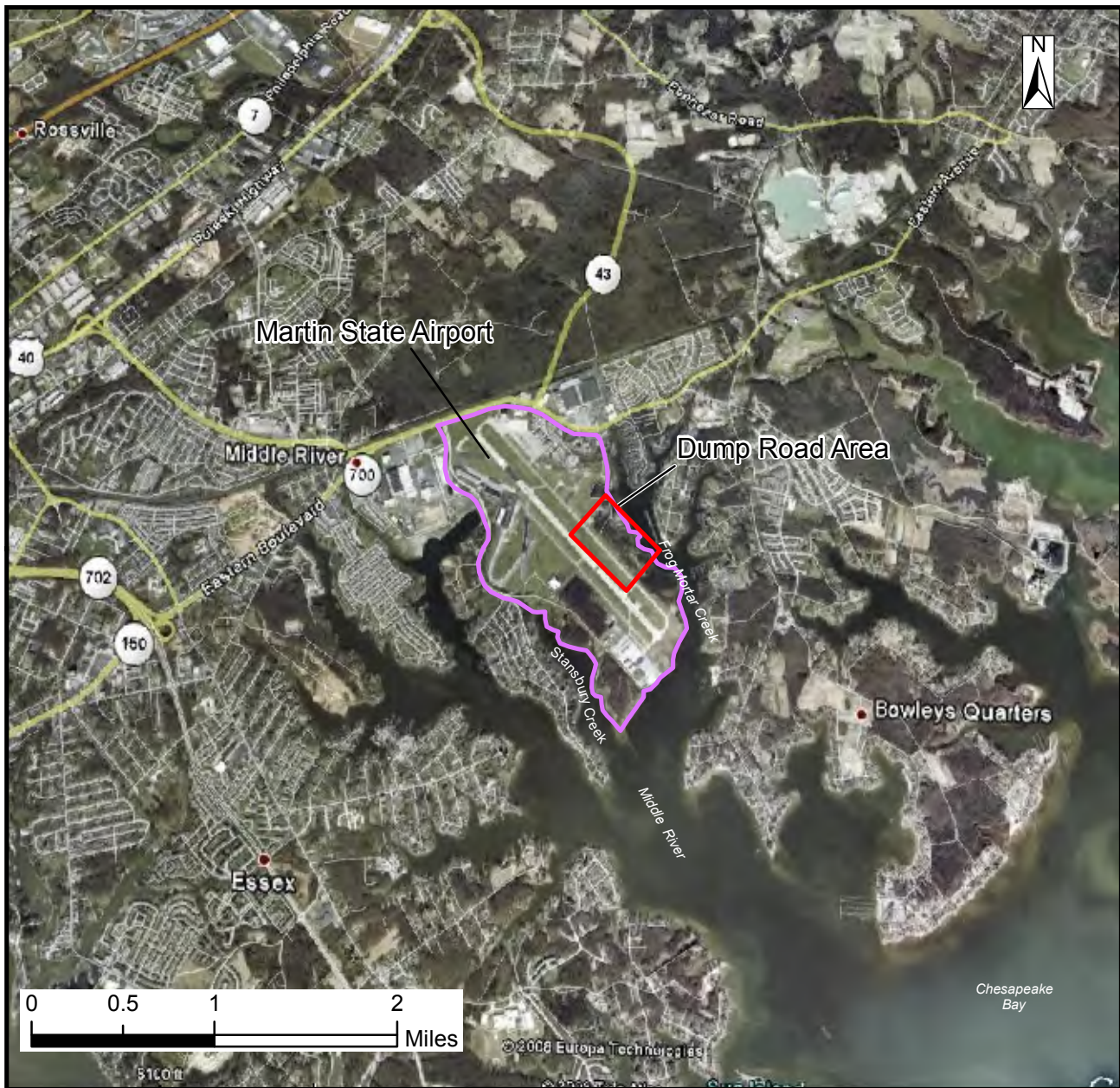
Section 2—Site Background and Previous Investigations: Briefly describes the site and previous Frog Mortar Creek investigations.

Section 3—Investigation Approach and Methodology: Presents the technical approach and field methodology used for surface water sampling.

Section 4—Results: Presents the investigation results.

Section 5—Summary: Summarizes the investigation approach and results.

Section 6—References: Cites references used to compile this memorandum.



Source: Google Earth Pro, 2008

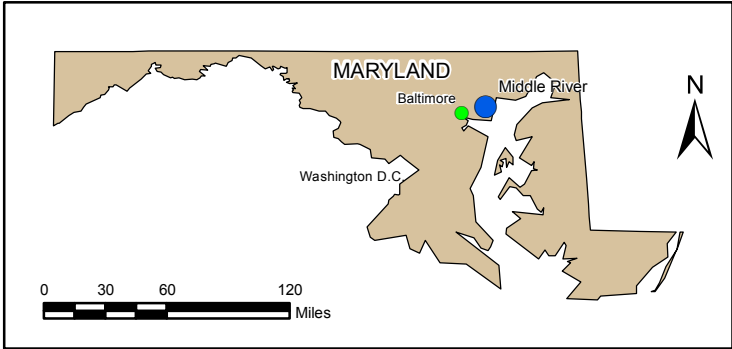


FIGURE 1-1
MARTIN STATE AIRPORT, DUMP ROAD AREA, AND FROG MORTAR CREEK LOCATION MAP
Frog Mortar Creek
Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED:	1/9/12	CREATED BY:	MP



Section 2

Site Background and Previous Investigations

Martin State Airport (MSA) is at 701 Wilson Point Road in Middle River, Maryland and is bounded by Frog Mortar Creek to the east and Stansbury Creek to the west (Figure 2-1); both are tidal tributaries of Chesapeake Bay. The Maryland Aviation Administration (MAA) currently operates MSA on behalf of the Maryland Department of Transportation. The current MSA property (approximately 775 acres) consists of an administration building (the Main Terminal building), aircraft hangars, a 7,000-foot-long runway, and several taxiways. MAA manages more than 130,000 square feet of heated hangar space and 190 smaller aircraft hangars. MSA hosts the Maryland State Police aviation unit, Baltimore County Police aviation and marine units, the Baltimore City Police aviation unit, and the Glenn L. Martin Museum. MSA is also home to several commercial tenants that provide fuels and lubricants, helicopter avionics repair, and flight instruction (MAA, 2017).

The area under investigation is Frog Mortar Creek, which is east of and adjacent to the Dump Road Area (DRA) site at MSA (Figure 2-1 and 2-2). The DRA currently consists mostly of open meadows, mowed grass, and heavily wooded areas; however, it also includes a portion of Taxiway Tango and extends to the airport runway. Taxiway Tango is a concrete and asphalt taxiway currently used by the Maryland Air National Guard (MDANG) for military aircraft operations. The airport runway is also used by state-owned and private aircraft.

An extraction and treatment system for DRA groundwater is also under construction at the DRA site. This extraction and treatment system will consist of 16 groundwater extraction wells, underground piping, and a building housing components to treat groundwater containing volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals at concentrations above Maryland Department of the Environment (MDE) groundwater standards. The wells and underground piping will pump groundwater from the surficial aquifer to the

aboveground treatment building, creating a “hydraulic barrier” that will capture groundwater and prevent its contaminants from migrating off-site. The treatment building is 60 feet wide and 170 feet long (10,200 square feet), and is near Frog Mortar Creek in the east-central portion of the DRA (Figure 2-2). Treated groundwater will be tested routinely and subsequently discharged to Frog Mortar Creek via an MDE-permitted outfall.

Detailed environmental studies have been conducted at the DRA since 1991, when MAA removed drums discovered near Taxiway Tango (Figure 2-2). Subsequent environmental studies at MSA have demonstrated that soil, pond sediment, and groundwater at the DRA have been impacted by VOCs, SVOCs, and metals resulting from historical dumping and backfilling. The following constituents (and several metals) have been detected in DRA groundwater at concentrations exceeding state groundwater standards:

- **chlorinated VOCs** (cVOCs)—including trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC)
- **petroleum-related VOCs**—such as benzene, toluene, ethylbenzene, and xylenes (BTEX)
- **1,4-dioxane**—Maryland does not have a groundwater standard for this compound, but concentrations have exceeded standards used in or proposed by other states.
- **metals**—arsenic, beryllium, cadmium, chromium, copper, hexavalent chromium (in two wells in 2008 only), iron, lead, manganese, mercury, nickel, selenium, thallium, vanadium, and zinc

Frog Mortar Creek is hydraulically downgradient of the DRA and receives groundwater that discharges from the DRA. The constituents listed above and several metals have been detected in surface water samples collected from Frog Mortar Creek. Surface water samples have been collected from Frog Mortar Creek since 1997, and multiple rounds of samples have been collected annually since 2010. Studies at Frog Mortar Creek from 1997–2016, and details of the area’s physical setting, land use, physiography, and surface/subsurface conditions (i.e., soils, hydrology, and geology), are summarized in the *2016 Surface Water Sampling Report for Frog Mortar Creek* (Tetra Tech, 2017), and therefore are not repeated herein.



Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2011 ESRI and its data suppliers).

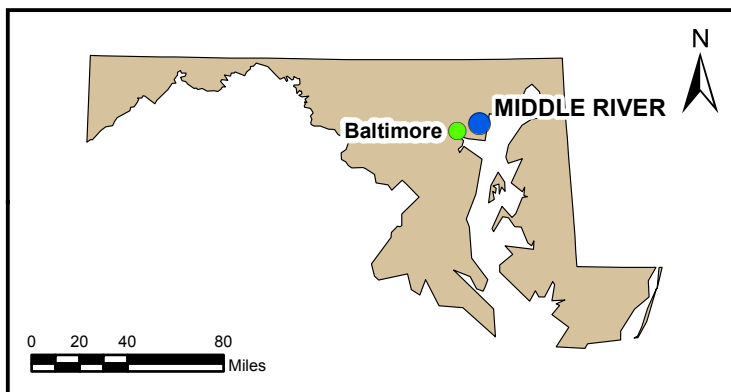


FIGURE 2-1

MARTIN STATE AIRPORT AND SURROUNDING FEATURES

*Lockheed Martin, Martin State Airport
Middle River, Maryland*

DATE MODIFIED:

11/12/14

CREATED BY:

JEE





Section 3

Investigation Approach and Methodology

Previous surface-water sampling data for Frog Mortar Creek support the need for additional investigations to assess the extent to which surface water is affected by groundwater discharged from the Dump Road Area (DRA). The volatile organic compounds (VOCs) trichloroethene (TCE) and vinyl chloride (VC), and several metals, have previously been detected in Frog Mortar Creek surface water samples at concentrations exceeding ecological and/or human health screening-criteria; these analytes have also been detected in groundwater at the DRA. Surface water data obtained from Frog Mortar Creek were used to evaluate detected chemical concentrations by comparing them to United States Environmental Protection Agency (USEPA) or Maryland screening levels. These screening criteria include USEPA national recommended water quality criteria (NRWQC), Maryland ambient water quality criteria (AWQC), USEPA Biological Technical Advisory Group (BTAG) surface water screening-benchmarks, and site-specific screening levels for swimming developed by Lockheed Martin Corporation (Lockheed Martin).

The March 2017 sampling is the first of six surface-water sampling rounds planned for 2017. The March sampling round assessed water quality in late winter to early spring, when minimal water-recreation would be expected in Frog Mortar Creek, and water temperatures are between maximums occurring in spring and minimums occurring in winter. The next sampling round is scheduled for June 2017.

3.1 SURFACE-WATER SAMPLING

3.1.1 Surface Water Sampling and Chemical Analyses

Forty-four surface water samples from Frog Mortar Creek were collected adjacent to the DRA site on March 9, 2017. Sampling locations are shown on Figure 3-1. Four samples were collected along each of nine transects spaced approximately 350 feet apart along the western shoreline of the creek;

these transects are designated MSA-SW37, MSA-SW38, MSA-SW39, MSA-SW40, MSA-SW41, MSA-SW42, MSA-SW43, MSA-SW44, and MSA-SW45.

Four samples were also collected along a transect extending out from the eastern shoreline of the creek at 3301 Edwards Lane (EL); this transect is designated EL-SW01 (see Figure 3-1). Four additional near-shore samples were collected between transects MSA-SW42 and MSA-SW40 (MSA-SW46A), MSA-SW40 and MSA-SW38 (MSA-SW47A), MSA-SW38 and MSA-SW41 (MSA-SW48A), and MSA-SW41 and MSA-SW43 (MSA-SW49A). These four locations were first sampled in July 2015 to assess constituent concentrations between transects exhibiting the highest VOC concentrations, and were included in the March 2017 sampling round.

Along each transect, one sample was collected near the shoreline (“A” sample), one was collected approximately 50 feet from the shoreline (“B” sample), one was collected approximately 100 feet from the shoreline (“C” sample), and one was collected approximately 200 feet from the shoreline (“D” sample). All samples were collected approximately one foot below the water surface. All sampling locations were surveyed in the Maryland State Plane North American Datum 1983 (in feet), using a handheld global positioning system receiver.

Table 3-1 outlines the sampling and chemical analyses program. Western-shoreline transect samples (MSA-SW37 through MSA-SW45) were analyzed for the following constituents:

- VOCs, by SW846 Method 8260C (including Freon 113 [1,1,2-trichloro-1,2,2-trifluoroethane], Freon 22 [chlorodifluoromethane], and tentatively identified compounds)
- dissolved metals (filtered in the field), by SW846 Methods 6020/7470A
- hardness, by Standard Method SM 2340B
- hexavalent chromium, by USEPA Method 218.6

Historically, concentrations of metals (other than arsenic and barium) above screening criteria have been found predominantly in areas adjacent to or near the western shoreline. Additionally, metal concentrations (except barium) in eastern shoreline-transect samples (i.e., EL-SW01A–D) collected in 2012 were less than the screening criteria; therefore, the eastern shoreline-transect samples were not analyzed for metals and were analyzed only for VOCs. Hexavalent chromium

and total chromium have been detected in DRA groundwater; therefore, all western-shoreline samples except SW46A–SW49A were also analyzed for hexavalent chromium. Water quality parameters (including temperature, pH, specific conductance, salinity, turbidity, dissolved oxygen, and oxidation-reduction potential) were measured and recorded at the time of sampling, as was the water depth at all surface-water sampling locations. Sampling information was documented on sample log sheets (see Appendix A).

Water depth measurements were also obtained from the staff gauge at 3301 Edwards Lane before sampling (1.25 meters [4.10 feet] at 0900 hours) and after sampling (1.30 meters [4.25 feet] at 1225 hours). Mean tidal-flux in the Middle River, Maryland area is approximately 1.6 feet (National Oceanic and Atmospheric Administration [NOAA], 2015). A 2011 study by Lockheed Martin sought to ascertain the effects of tides and sampling depths on contaminant concentrations in Frog Mortar Creek (Tetra Tech, 2012). The tidal phase relative to the time of sample collection appears to influence the VOC concentrations detected, particularly in the samples collected 50 feet from shore. In general, VOC concentrations in “B-series” samples (collected 50 feet from shore) were greater at low tide than at high tide, irrespective of sampling depth. Therefore, during this sampling round, all samples were collected during low tide.

Samples were collected as grab samples from approximately one foot below the water surface using the direct-fill sampling technique. VOC samples were collected using a stainless steel discrete-interval sampler (also known as a “bacon bomb” sampler). The sampler was lowered to approximately one foot below the water surface, the check valve was engaged to allow the sampler to fill, the sampler was then brought to the surface, and the water was removed through a valve to fill three laboratory-cleaned, hydrochloric-acid preserved, 40-milliliter sample vials. The discrete-interval sampler was cleaned after each use by rinsing it with distilled water over the creek. No decontamination fluids were collected during this sampling.

Hexavalent chromium samples were collected in pre-cleaned bottles containing no sample preservatives (i.e., no nitric acid for preservation, as compared to other metal samples). Each bottle was submerged approximately one foot below the water surface and allowed to fill. Hexavalent chromium samples were expedited to the laboratory so they could be analyzed within the prescribed 24-hour (since collection) holding time. Field-filtered metals samples (i.e., samples for metals other than hexavalent chromium) were collected using a peristaltic pump and preserved to

the appropriate pH level in the field with nitric acid. No duplicates were collected during this sampling round. A trip blank (one per cooler containing VOC samples) was submitted for VOC analysis for quality assurance/quality control purposes.

3.1.2 Documentation

A master site logbook was maintained as an overall record of site field activities. Sample documentation includes completed chain of custody forms and surface-water-specific sample log sheets. Chain of custody forms are standardized to summarize and document pertinent sample information, such as sample identification and type, matrix, date and time of collection, preservation, and the analysis requested. Sample-custody procedures document sample acquisition and integrity. Surface-water-sample log sheets are in Appendix A. Chain of custody forms and data-validation reports are in Appendix B (on compact disc).

3.1.3 Sample Nomenclature and Handling

Surface water samples collected from transects MSA-SW37 through MSA-SW49 are identified with a unique sample-identification tag. Surface water samples are labeled with an “MSA-SW” prefix, followed by the sample transect number, the profile location (“A,” “B,” “C,” or “D”), and the six-digit sampling date. Similarly, surface water samples collected from Edwards Lane transects are identified with an “EL-SW01” prefix, the profile location (“A,” “B,” “C,” or “D”), and the six-digit sampling date. For example, the surface water sample collected on March 9, 2017 from MSA-SW37A would be labeled “MSA-SW37A-050917.” The trip blank was labeled with a “TB” prefix followed by the sample’s six-digit submittal date (e.g., TB-050917).

Sample handling includes field-related considerations concerning the selection of sample containers, preservatives, allowable holding times, and analyses requested. Proper custody procedures were followed throughout all phases of sample collection and handling. Chain of custody protocols were used throughout sample handling to assure the evidentiary integrity of sample containers. These protocols demonstrate that the samples were handled and transferred in a manner that would prevent or detect possible tampering.

Sample containers were released under signature from the laboratory and accepted under signature by the sampler(s) or other individual(s) responsible for maintaining custody, until the sample containers could be transferred to the sampler(s). Transport containers returning to the laboratory

were sealed with strapping tape and a tamper-resistant custody seal. The custody seal contains the signature of the individual releasing the transport container, along with the date and time.

3.1.4 Equipment Decontamination

This project required minimal equipment decontamination. Both dedicated and disposable equipment were used for surface water sampling to reduce the need for decontamination, and to eliminate potential cross-contamination of samples. The discrete-interval sampler was cleaned after each use by rinsing with distilled water. Equipment was cleaned over the (creek) water after each sample had been collected. No decontamination fluids were collected during sampling.

3.1.5 Waste Management

Investigation-derived waste (IDW) consisted of personal protective equipment (PPE) and disposable equipment (filters, tubing, etc.) generated during field sampling. PPE IDW was brushed off, placed in trash bags along with the disposable equipment, and disposed of in a facility trash receptacle designated by facility personnel.

3.2 DATA MANAGEMENT

Laboratory data-handling procedures met the requirements of the laboratory subcontract. All analytical and field data are maintained in project files, including copies of chain of custody forms, sample log forms, sampling location maps, and documentation of quality assurance and data corrections.

3.2.1 Data Tracking and Control

A cradle-to-grave sample tracking system was used from the beginning to the end of sampling. The field operations leader began and coordinated sample tracking before mobilizing the sampling team to the field. Preprinted sample-container labels generated before fieldwork began were reviewed to ensure that they were accurate and adhered to work plan requirements. The project manager coordinated with the analytical laboratory to ensure that the laboratory was aware of the number and type of samples and analyses that would be submitted.

During field sampling, the field operations leader forwarded the chain of custody to a designated project assistant and to the laboratory. The project assistant confirmed that the chain of custody provided the information required by the work plan. This allowed early detection of errors made

in the field so that adjustments could be made before sample analyses. After successful completion of all requested analyses, the laboratory submitted an electronic deliverable for each sample delivery group. When all electronic deliverables had been received from the laboratory, the project assistant checked the laboratory submittal to determine whether the laboratory had performed all analyses requested. All analyses requested for this project were performed.

3.2.2 Sample Information

Data from field measurements were recorded using appropriate sample log sheets and were summarized in tabular form, as were the raw instrument-data from the laboratory. The field operations leader verified field data daily; laboratory data were verified by the group supervisor and then by the laboratory's quality control/documentation department. Sample log sheets are in Appendix A.

3.2.3 Project Data Compilation

The analytical laboratory generated an Adobe *Acrobat*® portable document format (PDF) file of the analytical data package, as well as an electronic database deliverable. The electronic database was checked against the PDF file provided by the laboratory, and updated as required based on data-qualifier flags applied during data validation. All data, such as units of measure and chemical nomenclature, were corrected as necessary to be consistent with the project database.

3.2.4 Geographic Information System

Data management systems for this investigation consist of a relational database and geographic information system (GIS) to manage environmental information pertaining to Martin State Airport (MSA). The relational database stores chemical, geological, hydrogeological, and other environmental data collected during environmental investigations. The GIS, created from the relational database, contains subsets of the larger data pool. The GIS allows environmental data to be posted onto base maps to graphically represent project information. Compiled sampling, chemical, and positional data from this investigation were incorporated into the GIS.

3.3 DATA REVIEW

Data from the laboratory were entered into a sample database and evaluated against risk-based criteria. Data were validated (to evaluate data completeness, holding times, calibrations, precision,

accuracy, laboratory and field-blank contamination, and detection limits) concurrent with the data evaluation. These reviews were based on the USEPA's national functional guidelines for both organic and inorganic data review (USEPA, 2017a, b) and the specifics of the analytical methods used. Data from this sampling event consist of chemical results for surface-water samples. Data-validation reports and chain of custody forms are in Appendix B (on compact disc) as PDF files. A table with all analytical data for March 2017 Frog Mortar Creek surface water samples, including nondetects, is in Appendix C.

Collectively, these data are acceptable for their intended uses (site characterization and risk assessment), except for data qualified as unreliable (UR or *R* flags). The data qualifiers (i.e., flags) listed below were applied to the chemical results presented in this report. Several flags appear in the chemical-results tables in Section 4, and all flags appear in Appendices B and C:

- J* The analyte is considered present in the sample, but is an estimated value that may not meet highest accuracy or precision standards. In this program, samples were qualified with "*J*" because quantitation was above the method detection limit but below the laboratory reporting-limit.
- NJ* The analyte has been tentatively identified. This qualifier indicates presumptive evidence of a compound. Special methods may be required to confirm its presence or absence in future sampling efforts.
- U* Not detected; the analyte is considered not detected at the reported value.
- UJ* The analyte is not detected. However, the quantitation or detection limit may be inaccurate or imprecise.
- UR* The analyte was not detected, but the result is unreliable due to deficiencies in satisfying quality control criteria.

Table 3-1

List of Samples and Chemical Analyses for Surface Water-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland

	Analyses Performed ⁽¹⁾ (Method)			
	Volatile Organic Compounds ⁽²⁾	Dissolved Metals	Hexavalent Chromium	Hardness
Sample Location ID	(USEPA 8260C)	(USEPA 6020/7470A)	(USEPA 218.6)	(SM 2340B)
MSA-SW37A	X	X	X	X
MSA-SW37B	X	X	X	X
MSA-SW37C	X	X	X	X
MSA-SW37D	X	X	X	X
MSA-SW38A	X	X	X	X
MSA-SW38B	X	X	X	X
MSA-SW38C	X	X	X	X
MSA-SW38D	X	X	X	X
MSA-SW39A	X	X	X	X
MSA-SW39B	X	X	X	X
MSA-SW39C	X	X	X	X
MSA-SW39D	X	X	X	X
MSA-SW40A	X	X	X	X
MSA-SW40B	X	X	X	X
MSA-SW40C	X	X	X	X
MSA-SW40D	X	X	X	X
MSA-SW41A	X	X	X	X
MSA-SW41B	X	X	X	X
MSA-SW41C	X	X	X	X
MSA-SW41D	X	X	X	X
MSA-SW42A	X	X	X	X
MSA-SW42B	X	X	X	X
MSA-SW42C	X	X	X	X
MSA-SW42D	X	X	X	X
MSA-SW43A	X	X	X	X
MSA-SW43B	X	X	X	X
MSA-SW43C	X	X	X	X
MSA-SW43D	X	X	X	X
MSA-SW44A	X	X	X	X
MSA-SW44B	X	X	X	X
MSA-SW44C	X	X	X	X
MSA-SW44D	X	X	X	X
MSA-SW45A	X	X	X	X
MSA-SW45B	X	X	X	X
MSA-SW45C	X	X	X	X
MSA-SW45D	X	X	X	X
MSA-SW46A	X			
MSA-SW47A	X			
MSA-SW48A	X			
MSA-SW49A	X			
EL-SW01A	X			
EL-SW01B	X			
EL-SW01C	X			
EL-SW01D	X			

1 Temperature, pH, specific conductance, salinity, turbidity, dissolved oxygen, and oxidation-reduction potential of each sample was measured and recorded in the field

2 Includes Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane), Freon 22 (chlorodifluoromethane), and tentatively identified compounds

SM - standard method

USEPA - United States Environmental Protection Agency



Section 4

Results

4.1 SURFACE-WATER DATA AND SCREENING CRITERIA

Validated chemical data from the Frog Mortar Creek surface water samples collected in March 2017 were used to generate a statistical summary table (Table 4-1) and a table summarizing positive detections of chemical analytes (Table 4-2). Samples collected from western transects were analyzed for volatile organic compounds (VOCs) (including fuel-related compounds such as benzene, toluene, ethylbenzene, and xylenes [BTEX] and tentatively identified compounds), dissolved (i.e., filtered) metals, hexavalent chromium, and hardness. Samples from locations SW46A, SW47A, SW48A, and SW49A and the eastern-shoreline-transect samples (e.g., EL-SW01) were analyzed for VOCs only, for the reasons described in Section 3.1.1. Table 4-2 compares surface-water sampling results to several applicable screening criteria, including:

- United States Environmental Protection Agency (USEPA) Region 3 Biological Technical Advisory Group (BTAG) freshwater screening-benchmarks (USEPA, 2006)
- USEPA national recommended water quality criteria (NRWQC) for acute and chronic aquatic-organism exposures, and NRWQC for human health aquatic-organism-consumption (USEPA, 2002, 2009)
- Maryland ambient water quality criteria (AWQC) for acute and chronic aquatic-organism exposures, and AWQC for human health aquatic-organism-consumption (*Code of Maryland Regulations* [COMAR], 2016)
- site-specific screening levels for swimming developed for trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC)

NRWQC, AWQC, and most BTAG screening levels for metals represent concentrations of dissolved metals in the water column; therefore, only dissolved-metals analyses were performed. BTAG screening levels for arsenic, mercury, molybdenum, selenium, and thallium are based on total metals concentrations. Since only dissolved metals were analyzed during this sampling round,

results for these metals are not directly comparable to BTAG criteria. NRWQC and BTAG screening values for five dissolved metals (cadmium, chromium, copper, nickel, and zinc) were adjusted using the USEPA-recommended value for hardness (400 milligrams per liter [mg/L]) provided in *National Recommended Water Quality Criteria* (USEPA, 2002, 2009) and *Region III Biological Technical Advisory Group Freshwater Screening Benchmarks* (USEPA, 2006). This value is recommended by USEPA when site-specific data indicate high hardness levels (i.e., greater than 400 mg/L), as was reported during this sampling round.

TCE, *cis*-1,2-DCE, and VC results are also compared to site-specific screening levels developed by Lockheed Martin Corporation (Lockheed Martin) at the request of the Maryland Department of the Environment (MDE); these values are used to assess risks posed to recreational users of Frog Mortar Creek. These screening levels were developed to protect the health of swimmers near the Dump Road Area (DRA) shoreline, assuming that they have long-term exposure to surface water (i.e., assumed four hours of swimming per day, 70 days per year, for 30 years). These swimming criteria are used because they provide the most conservative (i.e., most protective of human health) screening levels for Frog Mortar Creek.

Gray shading in Table 4-2 indicates a result that exceeds one or more of the constituent's surface-water screening criteria. Figures 4-1 through 4-3 show the concentrations of TCE, *cis*-1,2-DCE, and VC (respectively) detected in March 2017 Frog Mortar Creek samples. A table summarizing analytical data, including nondetect results and detection limits, is attached as Appendix C.

4.2 SURFACE-WATER SAMPLING RESULTS

Ten VOCs and 11 metals were detected in the March 2017 surface water samples; results are summarized below and in Tables 4-1 and 4-2. Table 4-3 and Figure 4-4 compare results for TCE, *cis*-1,2-DCE, and VC for this round (March 2017), the previous sampling round (December 2016), and the sampling round from one year ago (March 2016). Since most data discussed herein share the “MSA” prefix, this prefix is dropped when referring to transects or samples (e.g., “SW39” refers to transect MSA-SW39), to improve readability. Any discussion related to samples collected from the Edwards Lane transect (e.g., EL-SW01A) will be similarly identified (i.e., SW01A-SW01D) in the text. In addition, many of the lower VOC detections were estimated

(i.e., *J*-qualified); these qualifiers (flags) are also dropped in the following discussion to improve readability (see Table 4-2 for these details).

4.2.1 Volatile Organic Compounds

The most frequently detected volatiles in March 2017 are the chlorinated VOCs (cVOCs) TCE, *cis*-1,2-DCE, and VC; these three VOCs are also the primary cVOCs detected in the DRA groundwater plume. The maximum TCE, *cis*-1,2-DCE, and VC concentrations detected in March 2017 (Table 4-3 and Figure 4-4) are higher than those detected during the last round of sampling (December 2016) and a year ago (March 2016). However, the average TCE concentration for March 2017 is lower than those two previous rounds, and the average March 2017 *cis*-1,2-DCE concentration is similar to average concentrations for the previous two rounds. The average March 2017 VC concentration is higher than last round, but similar to that detected a year ago.

In March 2017 (see Figures 4-1 and 4-4), the highest TCE concentrations were detected at SW48A (9.7 micrograms per liter [µg/L]) and at near-shore sampling locations SW49A (7.9 µg/L), SW38A (7.5 µg/L), SW41A (5 µg/L), and SW47A (3.4 µg/L) along the central and southern portions of the DRA. As presented in Figure 4-2, the highest *cis*-1,2-DCE concentrations were detected at SW38A (22 µg/L), SW48A and SW49A (both 13 µg/L), SW47A (8.4 µg/L), and SW41A (6.5 µg/L), whereas the highest VC concentrations (Figure 4-3) were detected at SW38A (15 µg/L), SW47A (6.7 µg/L), and SW48A (3.8 µg/L).

All VOC concentrations in the March 2017 surface water samples are less than human health consumption-of-organism and ecological screening-levels. However, 10 VC concentrations (0.72-15 µg/L) exceed its site-specific screening level for swimming (0.7 µg/L), predominantly in near- and mid-shore samples adjacent to the DRA. All TCE concentrations (0.38–9.7 µg/L) are below its swimming screening-level (10 µg/L), and all *cis*-1,2-DCE concentrations (0.32–22 µg/L) are below its swimming screening-level (300 µg/L).

TCE was detected in 39 of 44 samples collected during this round, and in both western and eastern shoreline samples, at concentrations ranging from 0.38 –9.7 µg/L (Table 4-1; Figures 4-1 and 4-4). In previous sampling, surface-water samples from transects SW38, SW40, and SW41 (all on the

western-shore of Frog Mortar Creek) have typically had the highest TCE concentrations. The March 2017 TCE results maintain this trend, with the maximum concentration (9.7 µg/L) occurring at the near-shore location SW48A. The maximum TCE concentration for the current round (March 2017) is 1.4 times higher than the maximum concentration detected during the last sampling round (6.7 µg/L in December 2016), but only slightly higher than the maximum concentration detected one year ago (9.2 µg/L in March 2016).

Historically, TCE concentrations tend to decrease with increased distance from the shoreline, with the highest concentrations usually detected in shoreline (“A”) samples; this trend is highly evident in this sampling round, as the top five maximum concentrations were detected at near-shore locations (SW48A, SW49A, SW38A, SW41A, and SW47A). Concentrations in several central and southern transects (SW38, SW40, and SW41), where higher-concentration gradients appear present, also display this trend, but it is less evident in other transects (e.g., SW37, SW42, SW44, and SW45), where concentration gradients are lower or slightly reversed.

Consistent with previous sampling rounds, TCE concentrations in samples collected from the eastern-shoreline transect (SW01) are lower than in most samples collected from the western-shoreline transects. TCE in eastern-shoreline samples was detected in a narrow concentration range (0.4–0.53 µg/L). These eastern-transect concentrations are similar to the one TCE detection in December 2016 (0.5 µg/L). However, TCE was detected in all four SW01 samples in March 2017, whereas it was not detected in any eastern-transect sample in March 2016, and in only one sample in December 2017. Note, however, that TCE is commonly detected at three to four of the four SW01 sampling locations throughout the year.

cis-1,2-DCE was detected in 41 of 44 samples at concentrations ranging from 0.32 µg/L to 22 µg/L (Table 4-1; Figures 4-2 and 4-4); all concentrations are below the site-specific screening level for swimming (300 µg/L). *cis*-1,2-DCE concentrations were generally highest in the central transects, and are associated with locations having the highest TCE and VC concentrations. The highest *cis*-1,2-DCE concentration (22 µg/L) was at SW38A, with the next highest concentrations at SW48A (13 µg/L), SW49A (13 µg/L), and SW47A (8.4 µg/L). The maximum *cis*-1,2-DCE concentration in this round is more than two times greater than the concentration detected during the last sampling round (9.5 µg/L, in December 2016), and approximately 1.6 times greater than the maximum detected concentration last year (14 µg/L in March 2016).

The distribution of *cis*-1,2-DCE is similar to that of TCE and to its distribution in previous rounds; *cis*-1,2-DCE tends to decrease with increased distance from the shore in the higher concentration transects. As shown in Figure 4-2, this trend is apparent at transects SW38A, SW41, SW42, and SW43 during the current (March 2017) sampling round.

VC was detected less frequently than TCE and *cis*-1,2-DCE in March 2017 (in 15 of 44 samples; see Table 4-1). This pattern is similar to previous rounds where TCE has the greatest frequency of detection, followed by *cis*-1,2-DCE and then VC. However, during this sampling round, *cis*-1,2-DCE was detected in two more samples than was TCE. VC was detected slightly less frequently than it was last round (VC was detected in 19 of 44 samples in December 2016) and last year (18 of 44 samples in March 2016). VC concentrations in March 2017 range from 0.51-15 µg/L (Table 4-1). Similar to *cis*-1,2-DCE, VC was detected at sampling locations along the central portion of the DRA, with the highest concentrations at SW38A (15 µg/L), SW47A (6.7 µg/L), and SW48A (3.8 µg/L). VC was not detected in the northernmost and southernmost transects (SW37, SW39, SW43, SW44, and SW45), or in samples collected from the eastern shoreline transect (SW01).

During this sampling event, VC concentrations at 10 locations exceed the screening level for swimming (0.7 µg/L):

- SW38A (15 µg/L)
- SW38B (0.98 µg/L)
- SW38C (0.72 µg/L)
- SW40A (1.3 µg/L)
- SW41A (1.2 µg/L)
- SW42A (1.2 µg/L)
- SW46A (0.95 µg/L)
- SW47A (6.7 µg/L)
- SW48A (3.8 µg/L)
- SW49A (1.3 µg/L)

VC exceedances of the swimming screening-level occurred at 17 locations during the previous sampling round (December 2016) and at 10 locations one year ago (March 2016). The maximum VC concentration detected during this round (15 µg/L at SW38A) is 2.5 times the maximum detected in December 2016, and approximately 1.4 times the maximum detected in March 2016 (6 µg/L and 11 µg/L at SW38A, respectively).

Six additional VOCs (1,1-dichloroethene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, ethylbenzene, *m+p* xylenes, and *o*-xylene) were detected at concentrations less than their respective screening levels in March 2017. Ten additional VOCs (1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,4-dichlorobenzene, acetone, benzene, ethylbenzene, *m+p* xylenes, naphthalene, *o*-xylene, and toluene) were detected in addition to TCE, *cis*-1,2-DCE, and VC in December 2016, and six additional VOCs (1,4-dichlorobenzene, *m+p* xylenes, *o*-xylene, acetone, ethylbenzene, and toluene) were detected in March 2016.

4.2.2 Metals

Dissolved barium exceedances (23–27 µg/L) of its lowest screening level (4 µg/L) were detected at all 36 locations for which barium was analyzed. Ten of the highest barium concentrations were detected in samples collected near the center of the DRA (in transect SW38), south of the DRA (in transect SW39) and north of the DRA (SW37), with the highest concentrations (27 µg/L) detected near the center of the DRA at samples SW38A, SW38C, and SW39B. Barium concentrations in March 2017 are approximately 2.4 times lower than those detected last round (49–65 µg/L in December 2016), and slightly greater than last year (18–22 µg/L in March 2016). Barium is ubiquitous in creek samples, and has been detected in (varying) narrow concentration ranges in all samples collected in the creek since its first analysis in 2010.

Arsenic concentrations (1.0–2.1 µg/L) were detected at all 36 locations (for which arsenic was analyzed) this round. Fourteen concentrations exceed the lowest arsenic screening-level (1.4 µg/L). Arsenic concentrations during this round (1.0–2.1 µg/L) are similar to those detected during the last round in December 2016 (1.4–2.7 µg/L), and are slightly greater than concentrations detected last year (0.51–1.1 µg/L in March 2016). As with previous sampling rounds, the March 2017 arsenic concentrations are within the range of arsenic background concentrations (2.2–3.9 µg/L) detected in samples collected as part of Lockheed Martin's larger-scale 2007–2008 Frog Mortar Creek investigation (Tetra Tech, 2009).

4.2.3 Hexavalent Chromium

Hexavalent chromium has been detected in DRA groundwater and was therefore analyzed for in previous sampling rounds and in the March 2017 surface water samples. Hexavalent chromium was not detected in the March 2017 samples, and has not been detected in Frog Mortar Creek

samples since March 2016, when it was detected in 34 of 35 locations sampled. Previous sampling before March 2016 indicated the intermittent presence of low concentrations of hexavalent chromium in Frog Mortar Creek samples, detected within narrow concentration ranges (e.g., 0.028–0.085 µg/L in March 2015, and 0.12–0.16 µg/L in June 2015). However, the March 2017 results are consistent with previous sampling results, indicating that hexavalent chromium concentrations are below the most protective (i.e., lowest) ecological screening-criterion used for Frog Mortar Creek.

4.3 UPCOMING 2017 SAMPLING ROUND

Lockheed Martin will sample surface water at the same Frog Mortar Creek sampling locations in June 2017.

Table 4-1

Summary of Analytes Detected in Surface Water Samples - March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland

Parameter	Frequency of detection		Minimum concentration detected	Maximum concentration detected	Minimum concentration non-detect	Maximum concentration non-detect	Sample(s) of maximum concentration detected	Average of detected results	Average of all results ⁽¹⁾
	Number	Percent							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	1/44	2	0.3 J	0.3 J	0.27 U	0.27 U	MSA-SW38A-030917	0.30	0.139
1,2,4-TRICHLOROBENZENE	1/44	2	0.38 J	0.38 J	0.27 U	0.27 U	MSA-SW38A-030917	0.38	0.141
1,4-DICHLOROBENZENE	2/44	5	0.39 J	0.51 J	0.23 U	0.23 U	MSA-SW38A-030917	0.45	0.130
CIS-1,2-DICHLOROETHENE	41/44	93	0.32 J	22	0.3 U	0.3 U	MSA-SW38A-030917	2.34	2.19
ETHYLBENZENE	1/44	2	0.29 J	0.29 J	0.26 U	0.26 U	MSA-SW48A-030917	0.29	0.134
M+P-XYLENES	1/44	2	1.5 J	1.5 J	0.24 U	0.24 U	MSA-SW48A-030917	1.5	0.151
O-XYLENE	1/44	2	0.35 J	0.35 J	0.28 U	0.28 U	MSA-SW48A-030917	0.35	0.145
TOTAL XYLENES	1/44	2	1.9 J	1.9 J	0.24 U	0.24 U	MSA-SW48A-030917	1.90	0.160
TRICHLOROETHENE	39/44	89	0.38 J	9.7	0.33 U	0.33 U	MSA-SW48A-030917	1.61	1.44
VINYL CHLORIDE	15/44	34	0.51	15	0.45 U	0.45 U	MSA-SW38A-030917	2.41	0.971
Volatile organic compound tentatively identified compound (µg/L)									
1-METHYLDODECYLAMINE	1/1	100	2 NJ	2 NJ	--	--	MSA-SW43D-030917	2	2
2-CHLOROETHANOL	3/3	100	1.1 NJ	1.5 NJ	--	--	EL-SW01D-030917	1.30	1.3
2-PENTENEDINITRILE	1/1	100	1.4 NJ	1.4 NJ	--	--	MSA-SW43C-030917	1.4	1.4
3,3'-IMINOBISPROPYLAMINE	1/1	100	2.3 NJ	2.3 NJ	--	--	MSA-SW43A-030917	2.3	2.3
4-AMINO-1-PENTANOL	1/1	100	2.1 NJ	2.1 NJ	--	--	MSA-SW44D-030917	2.1	2.1
4-FLUOROHISTAMINE	1/1	100	1.2 NJ	1.2 NJ	--	--	EL-SW01C-030917	1.2	1.2
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	1/1	100	1.3 NJ	1.3 NJ	--	--	MSA-SW42B-030917	1.3	1.3
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	1/1	100	1.2 NJ	1.2 NJ	--	--	EL-SW01A-030917	1.2	1.2
DEXTROAMPHETAMINE	1/1	100	1.2 NJ	1.2 NJ	--	--	MSA-SW49A-030917	1.2	1.2
ETHANE, 1,2-DICHLORO-1-ETHOXY-	1/1	100	1.3 NJ	1.3 NJ	--	--	MSA-SW41C-030917	1.3	1.3
N-HEXYLMETHYLAMINE	1/1	100	2.1 NJ	2.1 NJ	--	--	MSA-SW44A-030917	2.1	2.1
PROPANAL, 3-(METHYLTHIO)-	1/1	100	1.2 NJ	1.2 NJ	--	--	MSA-SW42A-030917	1.2	1.2
UNKNOWN	1/1	100	6.3 NJ	6.3 NJ	--	--	MSA-SW38C-030917	6.3	6.3
Dissolved metals (µg/L)									
ARSENIC	36/36	100	1 J	2.1 J	--	--	MSA-SW37B-030917	1.43	1.43
BARIUM	36/36	100	23	27	--	--	MSA-SW38ABC-030917	25.0	25.0
CADMIUM	1/36	3	0.52 J	0.52 J	0.31 U	0.31 U	MSA-SW38A-030917	0.52	0.165
CHROMIUM	9/36	25	0.26 J	1.4 J	0.26 U	0.26 U	MSA-SW45D-030917	0.55	0.235
COBALT	2/36	6	1.1	2 J	0.26 U	0.82 U	MSA-SW38A-030917	1.55	0.293
COPPER	36/36	100	1.6 J	16	--	--	MSA-SW45BC-030917	3.16	3.16
MOLYBDENUM	16/36	44	0.95 J	1.8 J	1.7 U	2.7 U	MSA-SW37B-030917	1.21	1.08
NICKEL	35/36	97	0.92 J	1.9 J	1 U	1 U	MSA-SW38A-030917	1.19	1.17
SELENIUM	11/36	31	0.48 J	1 J	0.48 U	1.1 U	MSA-SW37B-030917	0.722	0.429
VANADIUM	10/36	28	0.54 J	1.2 J	0.54 U	0.54 U	MSA-SW37B-030917	0.634	0.371
ZINC	1/36	3	18 J	18 J	6.2 U	6.2 U	MSA-SW39B-030917	18	3.51
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	36/36	100	140	160	--	--	MSA-SW38AD,44D-030917	150.3	150.3
HARDNESS AS CaCO3	36/36	100	670	750	--	--	MSA-SW44D-030917	702.8	702.8
MAGNESIUM HARDNESS AS CaCO3	36/36	100	530	590	--	--	MSA-SW44D-030917	553.6	553.6

1 For non-detects, 1/2 sample quantitation limit was used as a proxy concentration, and 1/2 the detection limit was used for B qualified data.

-- Value not available because frequency of detection is 100 percent (i.e., no non-detect concentrations).

NJ - tentatively identified compound. Indicates presumptive evidence of a compound. Special methods may be required to confirm its presence or absence in future sampling efforts.

CaCO₃ - calcium carbonate

mg/L - milligrams per liter

EL - Edwards Lane

MSA - Martin State Airport

J - estimated value

SW - surface water

µg/L - micrograms per liter

U - not detected at the concentration shown left of the letter

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 1 of 12

[illegible]

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 2 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW37A MSA-SW37A-030917	MSA-SW37B MSA-SW37B-030917	MSA-SW37C MSA-SW37C-030917	MSA-SW37D MSA-SW37D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	0.46 J	0.5 J	0.51 J	0.49 J
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	0.64 J	0.63 J	--	0.64 J
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	--	--	--	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.8 J	2.1 J	1.8 J	1.7 J
BARIUM	NA	NA	4	NA	NA	26	26 J	26 J	26 J
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	0.33 J	0.53 J	--	--
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	3	3.1	2.9 J	2.4 J
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	1.7 J	1.8 J	1.3 J	1.1 J
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.3 J	1.5 J	1.3 J	1.3 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	0.6 J	1 J	0.9 J	0.71 J
VANADIUM	NA	NA	20	NA	NA	--	1.2 J	0.62 J	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	140
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	720	700	720	670
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	570	550	560	530

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 3 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW38A MSA-SW38A-030917	MSA-SW38B MSA-SW38B-030917	MSA-SW38C MSA-SW38C-030917	MSA-SW38D MSA-SW38D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	0.3 J	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	0.38 J	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	0.51 J	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	22	2.2	1.8	1.6
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	7.5	2.3	2.2	1.9
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	15	0.98	0.72	0.68
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	6.3 NJ	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.3 J	1.5 J	1.8 J	1.9 J
BARIUM	NA	NA	4	NA	NA	27 J	26	27	26
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	0.52 J	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	0.35 J	0.3 J	0.65 J	--
COBALT	NA	NA	23	NA	NA	2 J	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.7 J	2.6	2.6	2.7
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	1.3 J	1 J	1.2 J	1.2 J
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.9 J	1.3 J	1.5 J	1.4 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	0.86 J	--	0.69 J	0.71 J
VANADIUM	NA	NA	20	NA	NA	--	--	0.55 J	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	160	150	150	160
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	730	700	720	730
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	570	550	570	580

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 4 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW39A MSA-SW39A-030917	MSA-SW39B MSA-SW39B-030917	MSA-SW39C MSA-SW39C-030917	MSA-SW39D MSA-SW39D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	--	0.33 J	--	--
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	--	--	--	--
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	--	--	--	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.7 J	1.7 J	1.9 J	1.7 J
BARIUM	NA	NA	4	NA	NA	26 J	27	26 J	25 J
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	0.26 J	--	--
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.1	2.4	1.6 J	2.5
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	1.1 J	1.1 J	0.99 J	0.95 J
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.2 J	1.2 J	1.2 J	1.1 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	0.88 J	0.57 J	0.54 J	--
VANADIUM	NA	NA	20	NA	NA	0.55 J	0.55 J	--	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	18 J	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	150
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	680	710	700	690
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	540	560	550	540

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 5 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW40A MSA-SW40A-030917	MSA-SW40B MSA-SW40B-030917	MSA-SW40C MSA-SW40C-030917	MSA-SW40D MSA-SW40D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	2.4	0.87 J	0.76 J	2.4
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	1.9	0.69 J	0.67 J	1.5
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	1.3	0.61	0.53	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.7 J	1.8 J	1.7 J	1.3 J
BARIUM	NA	NA	4	NA	NA	26 J	26	26 J	25
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	--	--	0.85 J
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	3	2.8	2.6 J	1.7 J
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	1.2 J	1.2 J	1.1 J	--
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.1 J	1.4 J	1.3 J	1.1 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	0.48 J	--	--	--
VANADIUM	NA	NA	20	NA	NA	0.54 J	0.62 J	--	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	150
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	710	700	710	700
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	560	550	560	560

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 6 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW41A MSA-SW41A-030917	MSA-SW41B MSA-SW41B-030917	MSA-SW41C MSA-SW41C-030917	MSA-SW41D MSA-SW41D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	6.5	0.72 J	2	1.9
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	5	0.63 J	1.4	1.6
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	1.2	--	--	0.7
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	1.3 NJ	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.3 J	1 J	1.3 J	1.2 J
BARIUM	NA	NA	4	NA	NA	24	24	25	24
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	--	--	--
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.2	2.1	2.1	2.1
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	--	--	--	--
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.2 J	1.2 J	1.1 J	0.92 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	--	--	--	--
VANADIUM	NA	NA	20	NA	NA	--	--	--	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	150
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	680	690	700	680
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	530	540	550	540

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 7 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW42A MSA-SW42A-030917	MSA-SW42B MSA-SW42B-030917	MSA-SW42C MSA-SW42C-030917	MSA-SW42D MSA-SW42D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	1.3	0.75 J	0.52 J	0.48 J
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	0.67 J	0.63 J	0.67 J	0.6 J
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	1.2	0.51	--	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	1.3 NJ
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	1.3 NJ	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	1.2 NJ	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.3 J	1.3 J	1.2 J	1.3 J
BARIUM	NA	NA	4	NA	NA	25	25	25 J	24
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	--	--	--
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.6	2.5	2.6	2.5
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	--	--	--	--
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.1 J	1.1 J	1 J	1 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	--	--	--	--
VANADIUM	NA	NA	20	NA	NA	--	0.57 J	--	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	150
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	700	700	700	710
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	550	550	550	560

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 8 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW43A MSA-SW43A-030917	MSA-SW43B MSA-SW43B-030917	MSA-SW43C MSA-SW43C-030917	MSA-SW43D MSA-SW43D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	1.2	0.91 J	1	1.1
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	0.87 J	0.72 J	0.86 J	0.82 J
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	--	--	--	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	2 NJ
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	1.4 NJ	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	2.3 NJ	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1 J	1.2 J	1.2 J	1.1 J
BARIUM	NA	NA	4	NA	NA	24	24	24	24
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	--	--	--
COBALT	NA	NA	23	NA	NA	1.1	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.3	2.4	2.2	2
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	--	--	--	--
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.7 J	1.1 J	1 J	0.98 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	--	--	--	--
VANADIUM	NA	NA	20	NA	NA	--	--	--	0.57 J
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	150
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	700	700	690	700
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	550	550	540	550

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 9 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW44A MSA-SW44A-030917	MSA-SW44B MSA-SW44B-030917	MSA-SW44C MSA-SW44C-030917	MSA-SW44D MSA-SW44D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	0.51 J	0.64 J	0.62 J	0.64 J
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	0.45 J	0.68 J	0.63 J	0.65 J
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	--	--	--	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	2.1 NJ
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	2.1 NJ	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.2 J	1.1 J	1.2 J	1.3 J
BARIUM	NA	NA	4	NA	NA	23	24 J	23	25
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	--	0.28 J	--
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.2	2.1	2.2	2.4
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	--	--	--	--
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.1 J	1.1 J	1 J	1 J
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	--	--	--	--
VANADIUM	NA	NA	20	NA	NA	--	--	--	0.57 J
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	150	160
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	700	710	690	750
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	550	560	550	590

Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017

Frog Mortar Creek

Lockheed Martin, Martin State Airport, Middle River, Maryland

Page 10 of 12

Location Sample ID	National Recommended Water Quality Criteria ⁽¹⁾		Ecological Surface Water Screening Level ⁽²⁾	Human Health Consumption of Organism Only ⁽¹⁾⁽³⁾	Swimming Screening Levels ⁽⁴⁾	MSA-SW45A MSA-SW45A-030917	MSA-SW45B MSA-SW45B-030917	MSA-SW45C MSA-SW45C-030917	MSA-SW45D MSA-SW45D-030917
Sample date	Freshwater					20170309	20170309	20170309	20170309
	Acute	Chronic							
Volatile organic compounds (µg/L)									
1,1-DICHLOROETHENE	NA	NA	25	7100	NA	--	--	--	--
1,2,4-TRICHLOROBENZENE	NA	NA	24	70	NA	--	--	--	--
1,4-DICHLOROBENZENE	NA	NA	26	190	NA	--	--	--	--
CIS-1,2-DICHLOROETHENE	NA	NA	590 ⁽⁵⁾	NA	300	0.51 J	0.42 J	0.47 J	0.48 J
ETHYLBENZENE	NA	NA	90	2100	NA	--	--	--	--
M+P-XYLENES	NA	NA	13	NA	NA	--	--	--	--
O-XYLENE	NA	NA	13	NA	NA	--	--	--	--
TOTAL XYLENES	NA	NA	13	NA	NA	--	--	--	--
TRICHLOROETHENE	NA	NA	21	300 ⁽³⁾	10	0.42 J	0.38 J	0.47 J	0.49 J
VINYL CHLORIDE	NA	NA	930	24 ⁽³⁾	0.7	--	--	--	--
Volatile organic compound tentatively identified compounds (µg/L)									
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved metals (µg/L)									
ARSENIC	340	150	NA ⁽⁶⁾	1.4 ⁽³⁾	NA	1.2 J	1.2 J	1.1 J	1.4 J
BARIUM	NA	NA	4	NA	NA	25	24	23	24
CADMIUM	7.46 ⁽⁷⁾	0.64 ⁽⁷⁾	0.64 ⁽⁷⁾	NA	NA	--	--	--	--
CHROMIUM	1773 ⁽⁷⁾	231 ⁽⁷⁾	231 ⁽⁷⁾	NA	NA	--	--	--	1.4 J
COBALT	NA	NA	23	NA	NA	--	--	--	--
COPPER	49.6 ⁽⁷⁾	29.3 ⁽⁷⁾	29.3 ⁽⁷⁾	NA	NA	2.2	16	16	2.2
MOLYBDENUM	NA	NA	NA ⁽⁶⁾	NA	NA	--	--	--	1.1 J
NICKEL	1513 ⁽⁷⁾	168 ⁽⁷⁾	168 ⁽⁷⁾	4600	NA	1.1 J	1 J	0.97 J	--
SELENIUM	NA ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	4200	NA	--	--	--	--
VANADIUM	NA	NA	20	NA	NA	--	--	--	--
ZINC	379 ⁽⁷⁾	382 ⁽⁷⁾	382 ⁽⁷⁾	26000	NA	--	--	--	--
Miscellaneous parameters (mg/L)									
CALCIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	150	150	140	150
HARDNESS AS CaCO3	NA	NA	NA	NA	NA	730	700	680	700
MAGNESIUM HARDNESS AS CaCO3	NA	NA	NA	NA	NA	570	550	540	560

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 11 of 12

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Table 4-2

Detected Analytes and Screening Level Exceedences in Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 12 of 12

- 1 National Recommended Water Quality Criteria, <http://water.epa.gov/scitech/swguidance/standards/current/index.cfm>; and Maryland Numerical Criteria for Toxic Substances in Surface Waters, Code of Maryland Regulations (COMAR) 26.08.02.03, <http://www.dsd.state.md.us/comar/comarhtml/26/26.08.02.03-2.htm>
- 2 United State Environmental Protection Agency (USEPA) Region 3 Biological Technical Advisory Group (BTAG) Freshwater Screening Benchmarks
- 3 For carcinogens, criterion is for incremental cancer risk of 1×10^{-5}
- 4 Site-specific swimming screening levels were developed for trichloroethene, *cis*-1,2-dichloroethene, and vinyl chloride only.
- 5 The BTAG screening benchmark for 1,2-dichloroethene (590 µg/L) is used as a surrogate screening level for *cis*-1,2-dichloroethene.
- 6 The BTAG screening benchmark is based on total metal concentration for this analyte; therefore, the dissolved metals result is not screened against the BTAG benchmark.
- 7 In accordance with USEPA (2002 and 2006), the option to use site-specific hardness was selected to adjust this criterion instead of the standard hardness concentration of 100 mg/L. As recommended by USEPA (2002), a hardness value of 400 mg/L is used for instances when the minimum measured site-specific hardness is greater than 400 mg/L (minimum hardness is 670 mg/L for March 2017 sampling).

Gray shading indicates a result that exceeds a screening criterion.

-- not detected

CaCO₃ - calcium carbonate

EL - Edwards Lane

J - estimated result

µg/L - micrograms per liter

mg/L - milligrams per liter

MSA - Martin State Airport

NA - not analyzed or not available

SW - surface water

Table 4-3

Surface Water Chemical Results for Primary Volatile Organic Compounds for March 2017, December 2016, and March 2016
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland

Location ID	Trichloroethene concentrations (µg/L)			cis-1,2-Dichloroethene concentrations (µg/L)			Vinyl chloride concentrations (µg/L)		
	March 9, 2017	December 12, 2016	March 7, 2016	March 9, 2017	December 12, 2016	March 7, 2016	March 9, 2017	December 12, 2016	March 7, 2016
Average-Detections	1.61	2.54	2.35	2.34	2.35	2.93	2.41	1.86	2.33
Average-All Samples ⁽¹⁾	1.44	2.16	1.74	2.19	1.75	1.98	0.97	0.93	1.04
Maximum Concentration	9.7	6.7	9.2	22	9.5	14	15	6	11
No. of Detections/Samples	39/44	37/44	32/44	41/44	32/44	29/44	15/44	19/44	18/44
EL-SW01A	0.4 J	--	--	0.32 J	--	--	--	--	--
EL-SW01B	0.5 J	--	--	0.42 J	--	--	--	--	--
EL-SW01C	0.49 J	--	--	0.43 J	--	--	--	--	--
EL-SW01D	0.53 J	0.5 J	--	0.47 J	--	--	--	--	--
MSA-SW37A	0.64 J	3.9	0.99 J	0.46 J	3.6	2.9	--	3	3
MSA-SW37B	0.63 J	3	3.1	0.5 J	2.2	2.7	--	1.9	1.2
MSA-SW37C	--	1.2	1.4	0.51 J	1.1	1.1	--	1	0.45 J
MSA-SW37D	0.64 J	0.97 J	1	0.49 J	0.67 J	0.73 J	--	--	0.3 J
MSA-SW38A	7.5	5.7	6.5	22	9.5	9.5	15	6	11
MSA-SW38B	2.3	3.9	4	2.2	3.1	3.3	0.98	0.88	0.56
MSA-SW38C	2.2	2.3	2.1	1.8	1.6	1.2	0.72	0.75	0.32 J
MSA-SW38D	1.9	1.2	0.42 J	1.6	0.71 J	0.3 J	0.68	--	--
MSA-SW39A	--	--	--	--	--	--	--	--	--
MSA-SW39B	--	--	--	0.33 J	--	--	--	--	--
MSA-SW39C	--	0.33 J	0.23 J	--	--	--	--	--	--
MSA-SW39D	--	--	--	--	--	--	--	--	--
MSA-SW40A	1.9	5	5.2	2.4	3.8	8.7	1.3	2	5.6
MSA-SW40B	0.69 J	5.3	3.4	0.87 J	3.7	2.8	0.61	1.9	0.56
MSA-SW40C	0.67 J	1.9	2.8	0.76 J	1.2	1.5	0.53	0.63	0.38 J
MSA-SW40D	1.5	4.1	1.1	2.4	3.6	0.59 J	--	0.97	--
MSA-SW41A	5	3.4	4.1	6.5	2.1	5.9	1.2	0.86	0.38 J
MSA-SW41B	0.63 J	1.5	1.9	0.72 J	0.89 J	1.2	--	--	--
MSA-SW41C	1.4	1.5	1.2	2	0.88 J	0.72 J	--	--	--
MSA-SW41D	1.6	0.71 J	0.52 J	1.9	0.43 J	0.36 J	0.7	--	--
MSA-SW42A	0.67 J	4.5	1.1	1.3	3.5	1.9	1.2	2.7	1.4
MSA-SW42B	0.63 J	5.7	3.6	0.75 J	3.8	2.8	0.51	2.4	0.96
MSA-SW42C	0.67 J	4.3	5.5	0.52 J	3.2	2.9	--	2.1	0.86
MSA-SW42D	0.6 J	2	1.6	0.48 J	1.3	1	--	0.83	0.34 J
MSA-SW43A	0.87 J	1.7	0.46 J	1.2	1.4	0.46 J	--	--	--
MSA-SW43B	0.72 J	1.6	0.34 J	0.91 J	1.2	0.26 J	--	--	--
MSA-SW43C	0.86 J	0.7 J	1.3	1	0.42 J	0.89 J	--	--	--
MSA-SW43D	0.82 J	0.56 J	0.49 J	1.1	0.34 J	0.33 J	--	--	--
MSA-SW44A	0.45 J	0.88 J	--	0.51 J	0.63 J	--	--	--	--
MSA-SW44B	0.68 J	0.98 J	0.38 J	0.64 J	0.61 J	0.27 J	--	--	--
MSA-SW44C	0.63 J	0.66 J	--	0.62 J	0.39 J	--	--	--	--
MSA-SW44D	0.65 J	0.48 J	--	0.64 J	0.33 J	--	--	--	--
MSA-SW45A	0.42 J	--	--	0.51 J	--	--	--	--	--
MSA-SW45B	0.38 J	0.41 J	--	0.42 J	--	--	--	--	--
MSA-SW45C	0.47 J	0.38 J	0.25 J	0.47 J	--	--	--	--	--
MSA-SW45D	0.49 J	0.42 J	0.27 J	0.48 J	--	--	--	--	--
MSA-SW46A	0.6 J	6.7	2.6	0.99 J	4.7	3.8	0.95	2.3	--
MSA-SW47A	3.4	6.4	9.2	8.4	4.5	10	6.7	2.1	2.1
MSA-SW48A	9.7	5.7	6.1	13	6.4	14	3.8	2.3	11
MSA-SW49A	7.9	3.6	1.9	13	3.5	2.9	1.3	0.64	1.6

1 For non-detects, 1/2 sample quantitation limit was used as a proxy concentration, and 1/2 the detection limit was used for B qualified data.

-- not detected

EL - Edwards Lane

J - estimated value

µg/L - micrograms per liter

MSA - Martin State Airport

SW - surface water







Section 5

Summary

Lockheed Martin Corporation's (Lockheed Martin's) March 2017 Frog Mortar Creek surface-water investigation results are summarized below:

- Surface water samples were collected from Frog Mortar Creek on March 9, 2017 and chemically analyzed to assess concentrations of chemical constituents detected in Frog Mortar Creek, and to evaluate creek surface-water quality near the Dump Road Area (DRA). Each sample was collected at approximately one foot below the water surface.
- Samples were collected along each of nine transects spaced approximately 350 feet apart (for 36 samples) along the western shoreline of Frog Mortar Creek, and from one transect along the eastern shoreline. Along each transect, one sample was collected near the shoreline ("A" sample), one was collected approximately 50 feet from the shoreline ("B" sample), one was collected approximately 100 feet from the shoreline ("C" sample), and one was collected approximately 200 feet from the shoreline ("D" sample). In addition to the samples collected along transects, four single-point shoreline samples were collected, including SW46A (between transects SW42 and SW40), SW47A (between transects SW40 and SW38), SW48A (between transects SW38 and SW41), and SW49A (between transects SW41 and SW43).
- Frog Mortar Creek samples along the western shoreline were analyzed for volatile organic compounds (VOCs), filtered metals, hexavalent chromium, and hardness. Samples SW46A–SW49A, and those collected along the eastern shoreline, were analyzed for volatile organic compounds.
- The data were validated in accordance with the *United States Environmental Protection Agency (USEPA) Region III Modifications to the National Functional Guidelines for Data Review* (USEPA, 1993 and 1994) and the specific requirements of the analytical methods used. Sampling results were screened against United States Environmental Protection Agency Region 3 Biological Technical Advisory Group (BTAG) ecological screening-benchmarks for freshwater; United States Environmental Protection Agency national recommended water quality criteria (NRWQC) for acute and chronic aquatic-organism exposures and for human health aquatic-organism-consumption; Maryland ambient water quality criteria (AWQC) for acute and chronic aquatic-organism exposures and for human health aquatic-organism-consumption; and site-specific screening levels developed to evaluate risks to recreational swimmers from exposure to the three most frequently detected volatile organic compounds in surface water:

trichloroethene (TCE; also known as trichloroethylene), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC).

- Volatile organic compounds (primarily trichloroethene, *cis*-1,2-dichloroethene, and vinyl chloride), and metals, were detected in the March 2017 surface water samples. Concentrations of volatile organic compounds and metals (except arsenic and barium) are less than human health consumption-of-organism and ecological screening-levels.
- Trichloroethene was detected in 39 of 44 samples at concentrations ranging from 0.38–9.7 micrograms per liter (µg/L). No trichloroethene concentration exceeds its swimming criterion (10 µg/L). The highest trichloroethene concentrations were detected at sampling locations SW48A and SW49A, and in transect locations SW38 and SW41, along the central and southern portions of the Dump Road Area.
- *cis*-1,2-Dichloroethene was detected in 41 of 44 samples at concentrations ranging from 0.32–22 µg/L, but did not exceed its swimming criterion (300 µg/L) in any of the samples. The highest concentrations were detected at sampling locations SW48A and SW49A, and at transect locations SW38 and SW41, along the central and southern portions of the Dump Road Area.
- Vinyl chloride was detected in 15 of 44 samples at concentrations ranging from 0.51–15 µg/L. Ten vinyl chloride concentrations along the northern, central, and southern portions of the Dump Road Area exceed its swimming criterion (0.7 µg/L). The highest concentrations were detected in samples SW38A and SW47A, collected along the central portion of the Dump Road Area.
- The maximum trichloroethene, *cis*-1,2-dichloroethene, and vinyl chloride concentrations detected in March 2017 are higher than those detected during the last round (December 2016) and a year ago (March 2016). However, the average trichloroethene concentration for March 2017 is lower than the average detected during the previous two rounds, whereas the average vinyl chloride concentration in March 2017 is higher than the average in the last round, but similar to a year ago. The average *cis*-1,2-dichloroethene concentration in March 2017 is similar to average concentrations for the two previous rounds.
- Trichloroethene and *cis*-1,2-dichloroethene were detected at trace concentrations (0.4–0.53 µg/L and 0.32–0.47 µg/L, respectively) in the four samples collected along the eastern-shoreline (SW01A–SW01D). Vinyl chloride was not detected in any of the March 2017 eastern-shoreline samples. These concentrations are consistent with previous sampling results indicating that volatile organic compound concentrations in this area of Frog Mortar Creek are below the swimming criteria.

-
- Dissolved barium exceeded its screening level in all 36 samples collected in March 2017. Historical sampling has demonstrated that barium is ubiquitous in creek samples; the March 2017 concentrations (23–27 µg/L) are lower than those detected in December 2016 (49–65 µg/L) and higher than those detected in March 2016 (18–22 µg/L). The lower concentrations may be due, in part, to moderate to high precipitation in late January to February of this year and lower evaporation rates. Moderate to high precipitation can result in lower salinity and dissolved solids in Chesapeake Bay and its tributaries.
 - Arsenic (1.0–2.1 µg/L) was detected in all 36 samples collected during this round, and 14 detected concentrations exceed the lowest arsenic screening level (1.4 µg/L). Arsenic concentrations for March 2017 are similar to those detected in December 2016 (1.4–2.7 µg/L) and March 2016 (0.51–1.1 µg/L). As indicated by previous sampling, arsenic concentrations are within the range of background (2.2–3.9 µg/L) established during Lockheed Martin’s larger-scale 2007–2008 Frog Mortar Creek investigation.
 - Dissolved hexavalent chromium was not detected in any samples collected during this round, and has not been detected in Frog Mortar Creek samples since March 2016. The March 2017 results are consistent with previous sampling results indicating that hexavalent chromium concentrations are below the most protective (i.e., lowest) screening criterion used for Frog Mortar Creek.
 - Lockheed Martin will sample surface water at the same Frog Mortar Creek sampling locations in June 2017.

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Section 6

References

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APPENDIX A—FIELD MEASUREMENTS FOR WATER QUALITY AND SURFACE-WATER-SAMPLE LOG SHEETS

Water Quality Field Parameters-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River Maryland

Sample ID		Date	Time	pH	Specific conductance (S.C.)	Temperature (Temp.)	Turbidity	Dissolved oxygen (DO)	Salinity	Oxidation-reduction potential (ORP)	Water Depth
Location	Date ID	mo/day/year	24-hour units	Standard unit (S.U.)	MilliSiemens per centimeter (mS/cm)	Degrees Celsius (°C)	Nephelometric turbidity unit (NTU)	Milligrams per liter (mg/L)	Parts per thousand (ppt)	MilliVolts (mV)	Meters (m)
EL-SW01A	-030917	3/9/2017	911	8.15	7.2	8.59	16.20	12.30	3.9	297	0.3
EL-SW01B	-030917	3/9/2017	923	8.61	7.1	8.49	11.40	9.41	3.8	263	1.3
EL-SW01C	-030917	3/9/2017	927	8.36	7.2	8.34	13.80	9.83	3.9	271	1.7
EL-SW01D	-030917	3/9/2017	931	8.36	7.2	8.32	11.20	9.45	3.9	272	2.1
MSA-SW37A	-030917	3/9/2017	1211	9.12	7.2	10.25	10.54	10.20	3.9	288	0.3
MSA-SW37B	-030917	3/9/2017	1213	9.07	7.2	9.38	11.60	10.40	3.9	291	1.0
MSA-SW37C	-030917	3/9/2017	1215	9.07	7.2	10.11	11.40	10.70	3.9	291	1.1
MSA-SW37D	-030917	3/9/2017	1217	9.07	7.2	9.32	11.90	10.13	3.9	292	1.1
MSA-SW38A	-030917	3/9/2017	1121	8.54	7.1	9.65	24.70	10.47	3.8	266	0.3
MSA-SW38B	-030917	3/9/2017	1125	8.68	7.2	8.90	14.40	10.16	3.9	284	0.9
MSA-SW38C	-030917	3/9/2017	1127	8.77	7.2	8.87	14.50	10.13	3.9	285	0.9
MSA-SW38D	-030917	3/9/2017	1129	8.79	7.2	8.87	14.20	10.51	3.9	287	1.1
MSA-SW39A	-030917	3/9/2017	939	8.70	6.9	7.92	11.50	10.82	3.7	231	0.2
MSA-SW39B	-030917	3/9/2017	936	8.38	7.0	7.86	13.20	9.21	3.8	266	0.8
MSA-SW39C	-030917	3/9/2017	949	8.24	7.0	7.97	11.30	9.05	3.8	272	1.3
MSA-SW39D	-030917	3/9/2017	952	8.31	7.0	8.05	12.90	10.55	3.8	274	1.7
MSA-SW40A	-030917	3/9/2017	1138	9.02	7.2	10.06	24.00	11.22	3.9	290	0.3
MSA-SW40B	-030917	3/9/2017	1143	8.95	7.2	8.96	24.50	10.73	3.9	291	1.2
MSA-SW40C	-030917	3/9/2017	1146	8.96	7.2	8.86	12.40	9.95	3.9	292	1.5
MSA-SW40D	-030917	3/9/2017	1149	8.97	7.2	8.86	12.10	9.71	3.9	292	1.5
MSA-SW41A	-030917	3/9/2017	1048	8.91	7.0	10.23	18.00	9.75	3.8	238	0.3
MSA-SW41B	-030917	3/9/2017	1049	8.32	7.1	8.99	14.00	9.42	3.8	272	0.9
MSA-SW41C	-030917	3/9/2017	1104	8.48	7.1	8.57	17.50	9.63	3.9	281	1.6
MSA-SW41D	-030917	3/9/2017	1107	8.64	7.2	8.54	17.90	9.67	3.9	283	1.8
MSA-SW42A	-030917	3/9/2017	1154	9.10	7.2	9.47	22.10	9.70	3.9	281	0.2
MSA-SW42B	-030917	3/9/2017	1202	8.88	7.2	9.31	14.80	10.18	3.9	287	1.0
MSA-SW42C	-030917	3/9/2017	1204	8.97	7.2	9.47	12.40	10.01	3.9	289	1.1
MSA-SW42D	-030917	3/9/2017	1206	9.01	7.2	9.57	11.42	10.62	3.9	290	1.3
MSA-SW43A	-030917	3/9/2017	1030	8.75	7.1	9.16	40.60	9.23	3.8	245	0.2
MSA-SW43B	-030917	3/9/2017	1032	8.37	7.1	9.02	11.04	9.54	3.8	278	1.1
MSA-SW43C	-030917	3/9/2017	1035	8.46	7.1	8.63	12.50	9.46	3.8	284	1.2
MSA-SW43D	-030917	3/9/2017	1042	8.60	7.1	8.73	18.80	9.39	3.8	286	1.3
MSA-SW44A	-030917	3/9/2017	1015	9.30	7.1	8.76	18.40	10.62	3.8	208	0.2
MSA-SW44B	-030917	3/9/2017	1020	8.66	7.2	8.36	17.40	9.56	3.9	267	1.2
MSA-SW44C	-030917	3/9/2017	1022	8.55	7.2	8.39	15.80	9.48	3.9	275	1.4
MSA-SW44D	-030917	3/9/2017	1025	8.56	7.2	8.36	14.80	9.37	3.9	278	1.8
MSA-SW45A	-030917	3/9/2017	959	8.70	7.2	9.22	20.30	9.50	3.9	248	0.3
MSA-SW45B	-030917	3/9/2017	1001	8.43	7.2	8.17	13.30	9.69	3.8	279	1.3
MSA-SW45C	-030917	3/9/2017	1005	8.40	7.2	8.26	13.90	10.04	3.9	283	2.1
MSA-SW45D	-030917	3/9/2017	1007	8.46	7.1	8.23	13.30	9.86	3.8	288	2.1
MSA-SW46A	-030917	3/9/2017	1151	9.02	7.2	9.46	26.50	10.60	3.9	270	0.3
MSA-SW47A	-030917	3/9/2017	1133	8.76	7.2	9.89	13.70	9.90	3.9	289	0.3
MSA-SW48A	-030917	3/9/2017	1113	9.37	7.1	9.47	13.90	10.15	3.8	286	0.3
MSA-SW49A	-030917	3/9/2017	1045	8.77	7.0	8.90	16.80	10.18	3.8	200	0.3



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Page of

Project Site Name: Frog Mortar Creek, Martin State Airport
 Project No.: 112IC08118

Sample ID No.: EL-SW01A -030917
 Sample Location: EL-SW01A
 Sampled By: S. Cameron
 C.O.C. No.:

- ☐ Stream
☐ Spring
☐ Pond
☐ Lake

☒ Other: Tidal creek - freshwater
☐ QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	911								
Depth:	1 ft below water	clear	8.15	7.17	8.59	16.20	12.30	3.9	297
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.304785126 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: EL-SW01B -030917

Sample Location: EL-SW01B

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type:

Type of Sample:

[x] Low Concentration

☐ High Concentration

SAMPLING DATA:

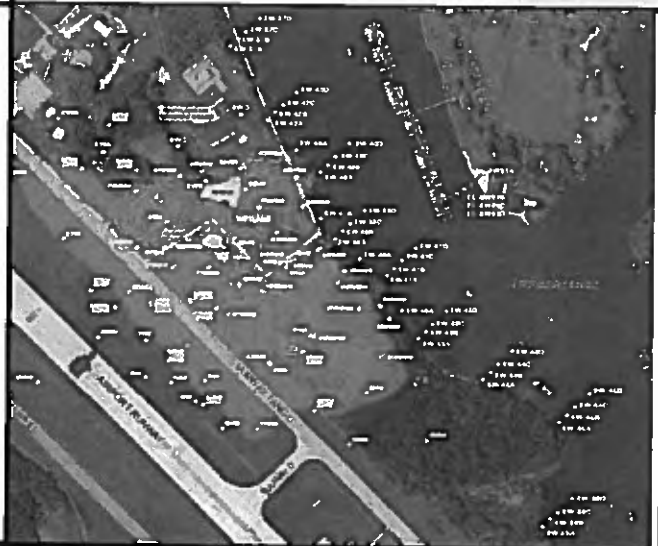
Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	923								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.341054557 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

✓



SURFACE WATER SAMPLE LOG SHEET

Page__ of

Sample ID No.:	EL-SW01C -030917
Sample Location:	EL-SW01C
Sampled By:	S. Cameron
C.O.C. No.:	

QA Sample Type:

High Concentration

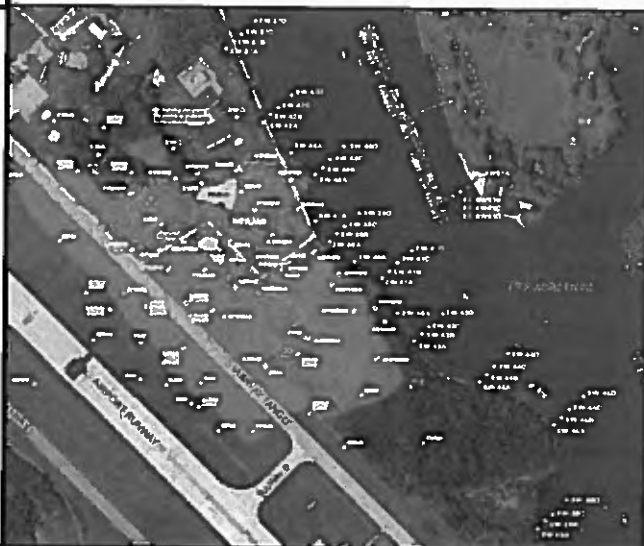
SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	927								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.706796708 meters

MAP:



Circle if Applicable:

Duplicate ID No.:

Signature(s):

RV

Page of

Sample ID No.: EL-SW01D -030917
Sample Location: EL-SW01D
Sampled By: S. Cameron
C.O.C. No.:

[X] Other: Tidal creek - freshwater
 [] QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	931								
Depth:	1 ft below water								
Method:	Grab								
		clear	8.36	7.23	8.32	11.2	9.45	3.9	272

[illegible]

Water depth	2.103017373 meters

Aerial View of Camp

MS/MSD

Signature(s):





Page__ of

Sample ID No.: MSA-SW37A -030917
Sample Location: MSA-SW37A
Sampled By: S. Cameron
C.O.C. No.:

Tidal creek - freshwater

High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1211								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

MAP:

Water depth	0.304785126 meters



Signature(s):

Duplicate ID No.:



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Page of

Project Site Name: Frog Mortar Creek, Martin State Airport
 Project No.: 112IC08118

Sample ID No.: MSA-SW37B -030917Sample Location: MSA-SW37BSampled By: S. CameronC.O.C. No.: ☐ Stream☐ Spring☐ Pond☐ Lake☒ Other: Tidal creek - freshwater☐ QA Sample Type:

Type of Sample:

☒ Low Concentration☐ High Concentration

SAMPLING DATA:

Date:	<u>3/9/2017</u>	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	<u>1213</u>	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	<u>1 ft below water</u>	<u>clear</u>	<u>9.07</u>	<u>7.21</u>	<u>9.38</u>	<u>11.6</u>	<u>10.4</u>	<u>3.9</u>	<u>291</u>
Method:	<u>Grab</u>								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes
Dissolved metals + Hardness	HNO ₃ pH<2	1 - 500 mL plastic	Yes
Dissolved Hexavalent chromium	4° C	1 - 250 mL plastic	Yes

OBSERVATIONS / NOTES:

MAP:

Water depth 0.975312405 meters

Circle If Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC08118

Sample ID No.: MSA-SW37D -030917

Sample Location: MSA-SW37D

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

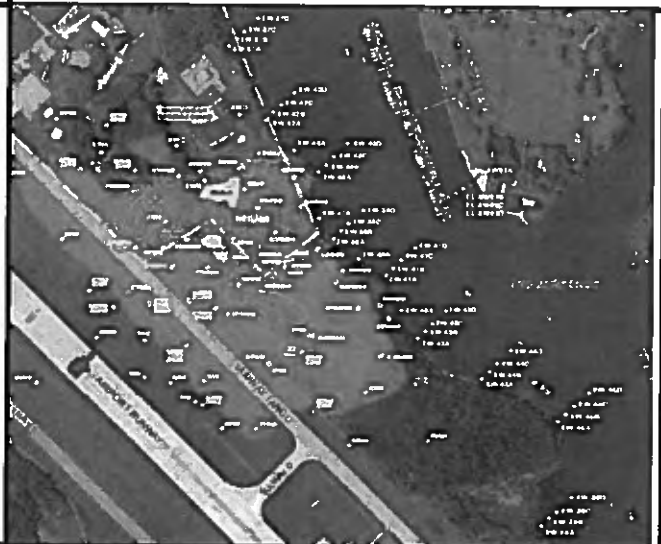
Date:	3/9/2017	Color (Visual)	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP	
Time:	1217		(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV	
Depth:	1 ft below water		clear	9.07	7.17	9.32	11.9	10.13	3.9	292
Method:	Grab									

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth 1.097226455 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):



Page__ of

Sample ID No.: MSA-SW38A -030917
Sample Location: MSA-SW38A
Sampled By: S. Cameron
C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater
 [] QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1121								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

MAP:

Water depth	0.304785126 meters

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

21



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Page of

Project Site Name: Frog Mortar Creek, Martin State Airport
 Project No.: 112IC08118

Sample ID No.: MSA-SW38B -030917
 Sample Location: MSA-SW38B
 Sampled By: S. Cameron
 C.O.C. No.:

- ☐ Stream
☐ Spring
☐ Pond
☐ Lake

☒ Other: Tidal creek - freshwater
☐ QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

SAMPLING DATA:

Date: <u>3/9/2017</u>	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time: <u>1125</u>	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth: <u>1 ft below water</u>	<u>clear</u>	<u>8.68</u>	<u>7.18</u>	<u>8.90</u>	<u>14.40</u>	<u>10.16</u>	<u>3.9</u>	<u>284</u>
Method: <u>Grab</u>								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes
Dissolved metals + Hardness	HNO ₃ pH<2	1 - 500 mL plastic	Yes
Dissolved Hexavalent chromium	4° C	1 - 250 mL plastic	Yes

OBSERVATIONS / NOTES:

Water depth 0.9 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):



Page__ of

Sample ID No.: MSA-SW38C -030917
Sample Location: MSA-SW38C
Sampled By: S. Cameron
C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater
☐ QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1127								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

Water depth	0.883876867 meters

MS/MSD

Duplicate ID No.:

Signature(s):

Ne

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW38D -030917

Sample Location: MSA-SW38D

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

[] High Concentration

SAMPLING DATA:

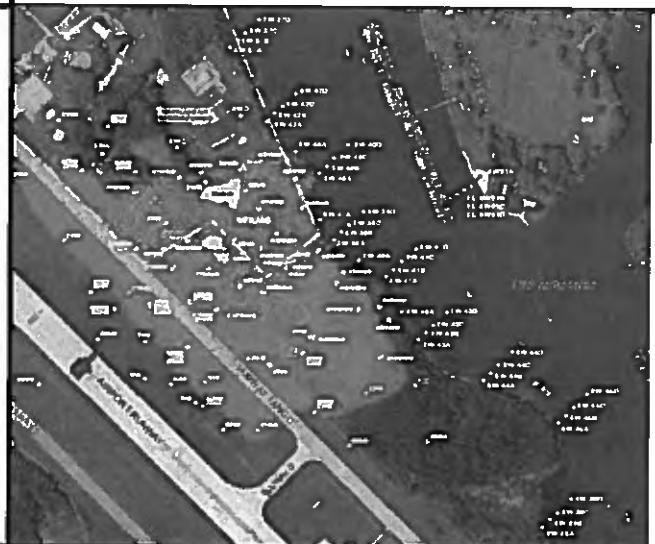
Date:	3/9/2017	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	1129	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	clear	8.79	7.23	8.87	14.20	10.51	3.9	287
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.1 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

✓

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW39A -030917

Sample Location: MSA-SW39A

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type:

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	939								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.243828101 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

AC

Page__ of

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW39B -030917
Sample Location: MSA-SW39B
Sampled By: S. Cameron
C.O.C. No.:

Stream

Spring

☐ Pond

□ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

☐ High Concentration

SAMPLING DATA:

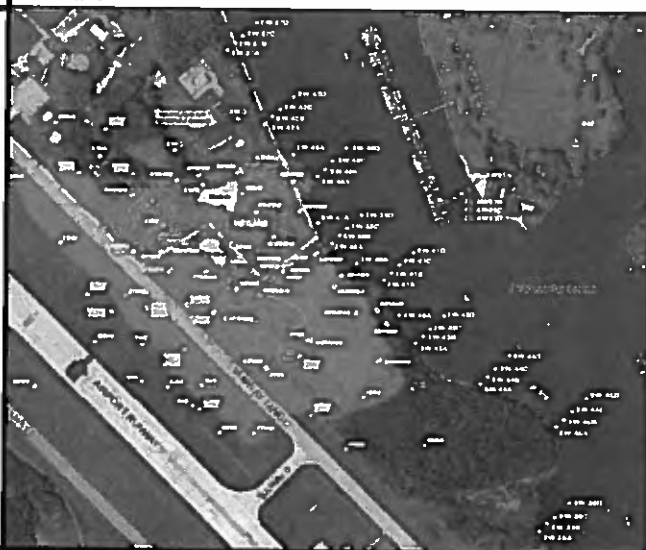
Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	936								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.8 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

h u



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Page of

Project Site Name: Frog Mortar Creek, Martin State Airport
 Project No.: 112IC08118

Sample ID No.: MSA-SW39C -030917
 Sample Location: MSA-SW39C
 Sampled By: S. Cameron
 C.O.C. No.:

☐ Stream☐ Spring☐ Pond☐ Lake☒ Other: Tidal creek - freshwater☐ QA Sample Type:

Type of Sample:

☒ Low Concentration☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	949	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	clear	8.24	7.03	7.97	11.3	9.05	3.8	272
Method:	Grab								

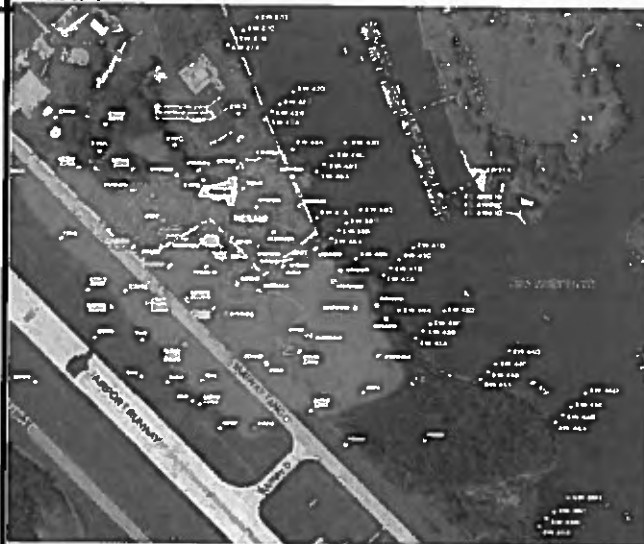
SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes
Dissolved metals + Hardness	HNO ₃ pH<2	1 - 500 mL plastic	Yes
Dissolved Hexavalent chromium	4° C	1 - 250 mL plastic	Yes

OBSERVATIONS / NOTES:

Water depth 1.3 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):



Page of

Sample ID No.:	MSA-SW39D -030917
Sample Location:	MSA-SW39D
Sampled By:	S. Cameron
C.O.C. No.:	

QA Sample Type: _____

☐ High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	952								
Depth:	1 ft below water								
Method:	Grab								
		clear	8.31	7.03	8.05	12.9	10.55	3.8	274

[illegible]

MAP:

Water depth 1.676318196 meters



Signature(s):

Duplicate ID No.:



Page__ of

Sample ID No.:	MSA-SW40A -030917
Sample Location:	MSA-SW40A
Sampled By:	S. Cameron
C.O.C. No.:	

QA Sample Type:

Tidal creek - freshwater

High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1138								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

Water depth	0.304785126 meters

MS/MSD

Duplicate ID No.:

Signature(s):

22



Page__ of

Sample ID No.: MSA-SW40B -030917
Sample Location: MSA-SW40B
Sampled By: S. Cameron
C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater
☐ QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1143								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

Water depth	1.188661993 meters

MS/MSD

Duplicate ID No.:

Signature(s):

lv



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Page of

Project Site Name: Frog Mortar Creek, Martin State Airport
 Project No.: 112IC08118

Sample ID No.: MSA-SW40C -030917
 Sample Location: MSA-SW40C
 Sampled By: S. Cameron
 C.O.C. No.:

- ☐ Stream
☐ Spring
☐ Pond
☐ Lake

☒ Other: Tidal creek - freshwater
☐ QA Sample Type:

Type of Sample:
☒ Low Concentration
☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	1146	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	clear	8.96	7.23	8.86	12.40	9.95	3.9	292
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes
Dissolved metals + Hardness	HNO ₃ pH<2	1 - 500 mL plastic	Yes
Dissolved Hexavalent chromium	4° C	1 - 250 mL plastic	Yes

OBSERVATIONS / NOTES:

Water depth 1.49344712 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW40D -030917

Sample Location: MSA-SW40D

Sampled By: S. Cameron

C.O.C. No.: _____

Stream

Spring

☐ Pond

□ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

☐ High Concentration

SAMPLING DATA:

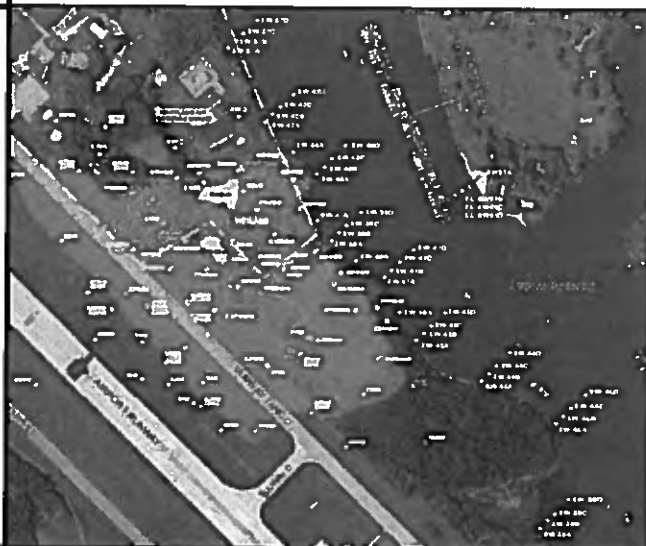
Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1149								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.523925632 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

26

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW41A -030917

Sample Location: MSA-SW41A

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1048								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.304785126 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

✓



Page 1 of 1

Sample ID No.:	MSA-SW41C -030917
Sample Location:	MSA-SW41C
Sampled By:	S. Cameron
C.O.C. No.:	

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1104								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

Water depth	1.61536117 meters

MS/MSD

Duplicate ID No.:

Signature(s):

Signature(s): 

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW41D -030917

Sample Location: MSA-SW41D

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

[] High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	1107	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	clear	8.64	7.15	8.54	17.90	9.67	3.9	283
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.828710759 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

Ar

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW42B -030917

Sample Location: MSA-SW42B

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

☐ QA Sample Type:

Type of Sample:

[x] Low Concentration

☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1202								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:[illegible]**OBSERVATIONS / NOTES:**

Water depth 1.005790917 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

12



Page__ of

Sample ID No.: MSA-SW42C -030917
Sample Location: MSA-SW42C
Sampled By: S. Cameron
C.O.C. No.:

QA Sample Type:

Tidal creek - freshwater

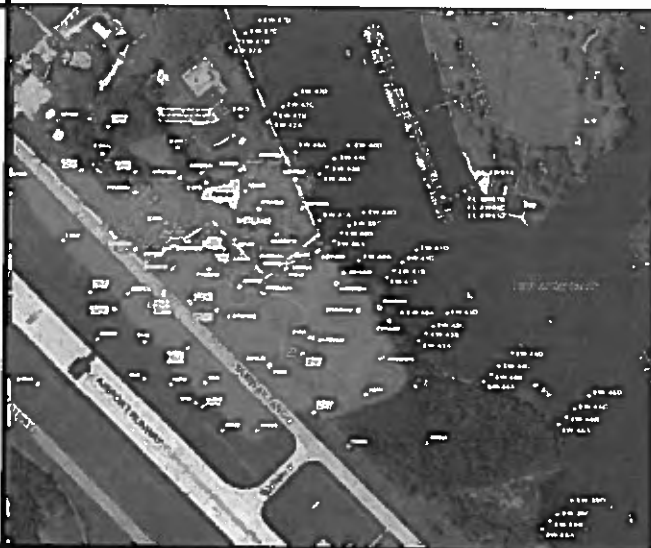
High Concentration

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1204								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

MAP:

Water depth 1.1 meters



Signature(s):

Duplicate ID No.:

RV

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW42D -030917

Sample Location: MSA-SW42D

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type:

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1206								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.280097531 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

RV

Project Site Name:	<u>Frog Mortar Creek, Martin State Airport</u>	Sample ID No.:	<u>MSA-SW43A -030917</u>
Project No.:	<u>112IC08118</u>	Sample Location:	<u>MSA-SW43A</u>
		Sampled By:	<u>S. Cameron</u>
		C.O.C. No.:	<u></u>
☐ Stream		Type of Sample:	
☐ Spring		☒ Low Concentration	
☐ Pond		☐ High Concentration	
☐ Lake			
☒ Other:	<u>Tidal creek - freshwater</u>		
☐ QA Sample Type:	<u></u>		

SAMPLING DATA:

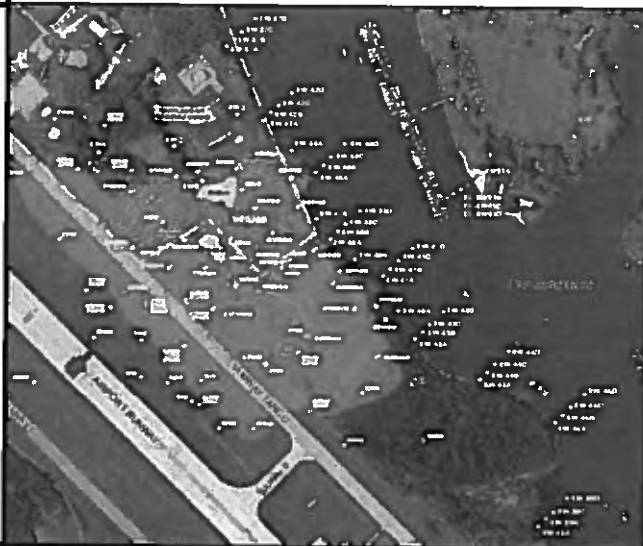
Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1030								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.243828101 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

✓

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW43C -030917

Sample Location: MSA-SW43C

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type:

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1035								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.188661993 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

12

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW43D -030917

Sample Location: MSA-SW43D

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

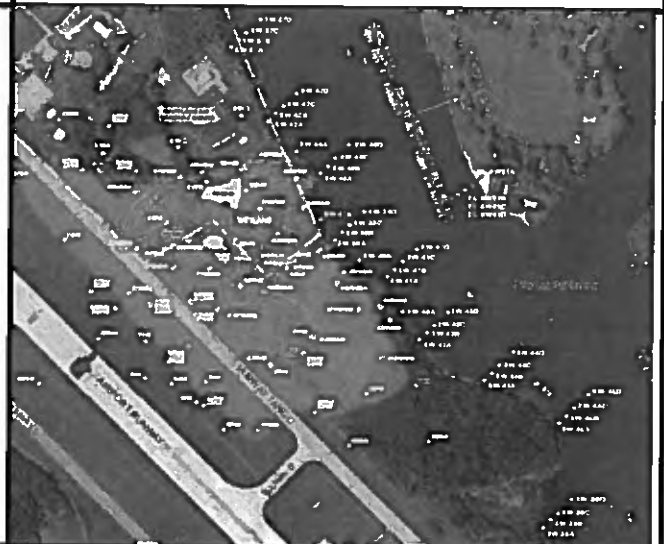
Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1042								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.341054557 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

Am

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW44A -030917

Sample Location: MSA-SW44A

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1015								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.213349589 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

✓

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW44C -030917

Sample Location: MSA-SW44C

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type:

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1022								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.432490094 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

e(s): 

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW44D -030917

Sample Location: MSA-SW44D

Sampled By: S. Cameron

C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type:

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1025								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.767753734 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

Signature: *[Handwritten Signature]*

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW45B -030917

Sample Location: MSA-SW45B

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1001								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	1.341054557 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

✓

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW45C -030917
Sample Location: MSA-SW45C
Sampled By: S. Cameron
C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater
 [] QA Sample Type: _____

Type of Sample:
☒ Low Concentration
☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1005								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	2.07253886 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

A handwritten signature in dark ink, appearing to be "M. W." or similar, written in a cursive style.



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Page of

Project Site Name: Frog Mortar Creek, Martin State Airport
 Project No.: 112IC08118

Sample ID No.: MSA-SW45D -030917
 Sample Location: MSA-SW45D
 Sampled By: S. Cameron
 C.O.C. No.:

☐ Stream☐ Spring☐ Pond☐ Lake☒ Other: Tidal creek - freshwater☐ QA Sample Type:

Type of Sample:

☒ Low Concentration☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	1007	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	clear	8.46	7.14	8.23	13.30	9.86	3.8	288
Method:	Grab								

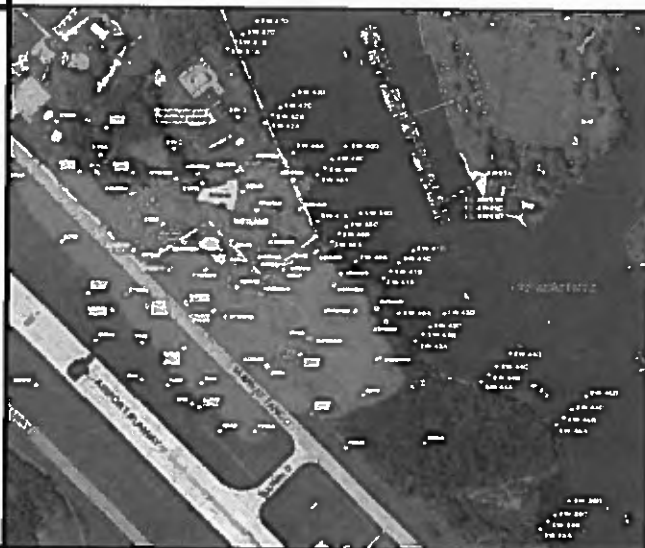
SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes
Dissolved metals + Hardness	HNO ₃ pH<2	1 - 500 mL plastic	Yes
Dissolved Hexavalent chromium	4° C	1 - 250 mL plastic	Yes

OBSERVATIONS / NOTES:

Water depth 2.07253886 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC08118

Sample ID No.: MSA-SW46A -030917

Sample Location: MSA-SW46A

Sampled By: S. Cameron

C.O.C. No.: _____

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

[X] Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:

[x] Low Concentration

[] High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1151								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.304785126 meters

MAP:

**Circle if Applicable:**

MS/MSD

Duplicate ID No.:

Signature(s):

✓✓



Page__ of

Sample ID No.: MSA-SW47A -030917
Sample Location: MSA-SW47A
Sampled By: S. Cameron
C.O.C. No.:

- ☐ Stream
- ☐ Spring
- ☐ Pond
- ☐ Lake

☒ Other: Tidal creek - freshwater

QA Sample Type: _____

Type of Sample:
☒ Low Concentration
☐ High Concentration

SAMPLING DATA:

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1133								
Depth:	1 ft below water								
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

[illegible]**OBSERVATIONS / NOTES:**

Water depth	0.335263639 meters

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

AL



Page of

Project Site Name:	<u>Frog Mortar Creek, Martin State Airport</u>	Sample ID No.:	<u>MSA-SW48A -030917</u>
Project No.:	<u>112IC08118</u>	Sample Location:	<u>MSA-SW48A</u>
		Sampled By:	<u>S. Cameron</u>
		C.O.C. No.:	<u> </u>
☐ Stream		Type of Sample:	
☐ Spring		☒ Low Concentration	
☐ Pond		☐ High Concentration	
☐ Lake			
☒ Other:	<u>Tidal creek - freshwater</u>		
☐ QA Sample Type:	<u> </u>		

Date:	3/9/2017	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)	ORP mV
Time:	1113								
Depth:	1 ft below water								
Method:	Grab								

[illegible]

Water depth	0.304785126 meters

MS/MSD

Duplicate ID No.:

Signature(s):

Al

Project Site Name:		Frog Mortar Creek, Martin State Airport		Sample ID No.:		MSA-SW49A -030917	
Project No.:		112IC08118		Sample Location:		MSA-SW49A	
				Sampled By:		S. Cameron	
				C.O.C. No.:			
☐ Stream ☐ Spring ☐ Pond ☐ Lake ☒ Other: Tidal creek - freshwater				Type of Sample: ☒ Low Concentration ☐ High Concentration			
QA Sample Type:							

SAMPLING DATA:								
Date:	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/L)	(ppt)	mV
Time: 3/9/2017 1045								
Depth: 1 ft below water	clear	8.77	7.01	8.90	16.80	10.18	3.8	200
Method: Grab								

SAMPLE COLLECTION INFORMATION:			
Analysis	Preservative	Container Requirements	Collected
VOCs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:		MAP:	
Water depth 0.304785126 meters			

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	

APPENDIX B—DATA-VALIDATION REPORTS



TETRA TECH

INTERNAL CORRESPONDENCE

TO: A. APANAVAGE **DATE:** APRIL 26, 2017
FROM: L. GANSER **COPIES:** DV FILE
SUBJECT: DATA VALIDATION – VOC/ DISSOLVED METALS/ HEXAVALENT CHROMIUM/
HARDNESS
LOCKHEED MARTIN CORPORATION (LMC) – MARTIN STATE AIRPORT (MSA)
SURFACE WATER SAMPLING
SAMPLE DELIVERY GROUP (SDG) 240-76547-1 and TMM-075

SAMPLES: 45/Aqueous/

EL-SW01A-030917	EL-SW01B-030917	EL-SW01C-030917
EL-SW01D-030917	MSA-SW37A-030917	MSA-SW37B-030917
MSA-SW37C-030917	MSA-SW37D-030917	MSA-SW38A-030917
MSA-SW38B-030917	MSA-SW38C-030917	MSA-SW38D-030917
MSA-SW39A-030917	MSA-SW39B-030917	MSA-SW39C-030917
MSA-SW39D-030917	MSA-SW40A-030917	MSA-SW40B-030917
MSA-SW40C-030917	MSA-SW40D-030917	MSA-SW41A-030917
MSA-SW41B-030917	MSA-SW41C-030917	MSA-SW41D-030917
MSA-SW42A-030917	MSA-SW42B-030917	MSA-SW42C-030917
MSA-SW42D-030917	MSA-SW43A-030917	MSA-SW43B-030917
MSA-SW43C-030917	MSA-SW43D-030917	MSA-SW44A-030917
MSA-SW44B-030917	MSA-SW44C-030917	MSA-SW44D-030917
MSA-SW45A-030917	MSA-SW45B-030917	MSA-SW45C-030917
MSA-SW45D-030917	MSA-SW46A-030917	MSA-SW47A-030917
MSA-SW48A-030917	MSA-SW49A-030917	TB-030917

Overview

The sample set for LMC-MSA, SDGs 240-76547-1 and TMM-075 consisted of forty-four (44) aqueous environmental samples and one (1) trip blank. All aqueous environmental samples were analyzed for volatile organic compounds (VOC). All samples, except EL-SW01A-030917, EL-SW01B-030917, EL-SW01C-030917, EL-SW01D-030917, MSA-SW46A-030917, MSA-SW47A-030917, MSA-SW48A-030917, MSA-SW49A-030917, and TB-030917 were also analyzed for metals and hardness. No field duplicate sample pairs were included in this SDG.

The samples were collected by Tetra Tech on March 9, 2017 and analyzed by TestAmerica, Inc for VOCs and metals and analyzed by ALS Environmental Laboratory for hexavalent chromium. All analyses were conducted in accordance with analytical and reporting protocols for SW846 Methods 8260C for VOC, 6020/7470A for metals, and 2340B for hardness and EPA method 218.6 for hexavalent chromium.

The data contained in this SDG were validated with regard the following parameters: data completeness, holding times, GC/MS tuning, ICP/MS tuning, initial/continuing calibrations, laboratory method/preparation blanks, Interference Check Sample (ICS), surrogate spike recoveries, laboratory control sample/laboratory control sample duplicate results, internal standard areas and recoveries, ICP serial dilution results, chromatographic resolution, analyte identification, analyte quantitation, and detection limits. Areas of concern are listed below.

Major

- As stated in the case narrative, 2-chloroethyl vinyl ether cannot be reliably recovered in acid preserved samples. Because the environmental samples were preserved in acid, the recovery of this compound is unreliable. The non-detected results reported for 2-chloroethyl vinyl ether in all

TO: A. APANAVAGE
SDG: 240-76547-1 and TMM-075

PAGE 2

samples were rejected, (UR).

Minor

- A tentatively identified compound (TIC) search was performed for the compound chlorodifluoromethane. The laboratory did not detect this compound in the samples in this SDG. The laboratory assigned a Reporting Limit (RL) of 1 µg/L. Because the GC/MS was not calibrated for this compound, the RL is considered to be an estimated limit. The non-detected results reported for chlorodifluoromethane were qualified as estimated, (UJ).
- TICs were detected in several samples. The GC/MS instrument was not calibrated for the TICS; therefore, the compounds were qualified as estimated presumptively present, (NJ).
- VOC continuing calibration percent difference (%D) was greater than quality control (QC) limits (20%) on 3/13/2017 at 12:55 for bromomethane and chloroethane affecting analytical batch 270367. All results for these parameters in the affected samples were nondetect and were qualified as estimated (UJ).
- VOC continuing calibration %D was greater than 20% QC limits on 3/14/2017 at 10:59 for dichlorodifluoromethane, bromomethane, chloroethane, and 2-butanone affecting analytical batch 270478. All results for these parameters in the affected samples were nondetect and were qualified as estimated (UJ).
- The following analytes were detected in the laboratory preparation and calibration blanks at the following maximum concentrations:

<u>Analyte</u>	<u>Maximum Concentration (ug/L)</u>	<u>Reporting Limit (RL) (> or <)</u>
Antimony ⁽¹⁾	1.04	<
Beryllium ⁽¹⁾	0.112	<
Cadmium ⁽¹⁾	0.073	<
Cobalt ⁽¹⁾	0.062	<
Lead ⁽¹⁾	0.188	<
Selenium ⁽¹⁾	0.352	<
Thallium ⁽¹⁾	0.081	<
Tungsten ⁽¹⁾	2.12	<
Molybdenum ⁽²⁾	1.17	<
Antimony ⁽³⁾	0.578	<
Beryllium ⁽³⁾	0.157	<
Cobalt ⁽³⁾	0.021	<
Tungsten ⁽³⁾	1.88	<
Lead ⁽⁴⁾	0.237	<
Antimony ⁽⁵⁾	0.724	<
Beryllium ⁽⁵⁾	0.136	<
Cobalt ⁽⁵⁾	0.034	<
Lead ⁽⁵⁾	0.158	<
Thallium ⁽⁵⁾	0.075	<

<u>Analyte</u>	<u>Maximum Concentration (ug/L)</u>	<u>Reporting Limit (RL) (> or <)</u>
Tungsten ⁽⁵⁾	1.83	<
Barium ⁽⁶⁾	0.964	<
Copper ⁽⁶⁾	1.06	<
Nickel ⁽⁶⁾	0.709	<

1. Maximum concentration in continuing calibration blanks on 3/13/2017 at 18:41 to 21:21 affecting samples in preparation batch 270163.
2. Concentration in method blank 240-270163/1-A affecting samples in preparation batch 270163.
3. Maximum concentration in continuing calibration blank on 3/15/2017 at 19:17 to 21:11 affecting samples in preparation batch 270164.
4. Concentration in method blank 240-270164/1-A affecting samples in preparation batch 270164.
5. Maximum concentration in continuing calibration blanks on 3/15/2017 at 14:38 and 15:29 affecting samples in in preparation batch 270500.
6. Concentration in method blank 240-2705000/1-A affecting samples in preparation batch 270500.

Dilution factor, if applicable, was taken into consideration when evaluating for blank contamination. Detected results reported below the RL were qualified as non-detected, (U), due to blank contamination.

- Metal internal standard percent recovery (%R) was less than 60% QC limit for Lithium (Li), Scandium (Sc), Rhodium (Rh), Indium (In), Terbium (Tb), Holmium (Ho), and/or Bismuth (Bi) in the following samples:

<u>Samples</u>	<u>Noncompliant Internal Standards</u>
MSA-SW37A-030917	Li, Rh, Bi
MSA-SW37B-030917	Li, Rh, In, Bi
MSA-SW37C-030917	Li, Sc, Rh, In, Tb, Ho, Bi
MSA-SW37D-030917	Li, Sc, Rh, In, Tb, Ho, Bi
MSA-SW38A-030917	Li, Sc, Rh, In, Tb, Ho, Bi
MSA-SW38B-030917	Bi
MSA-SW38C-030917	Bi
MSA-SW38D-030917	Li, Bi
MSA-SW39A-030917	Rh, In, Bi
MSA-SW39B-030917	Li, Rh, Bi
MSA-SW39C-030917	Li, Rh, In, Tb, Bi
MSA-SW39D-030917	Li, Rh, In, Bi
MSA-SW40A-030917	Li, Rh, In, Bi
MSA-SW40B-030917	Li, Rh, Bi
MSA-SW40C-030917	Li, Sc, Rh, In, Bi
MSA-SW42A-030917	Bi
MSA-SW42B-030917	Rh, Bi
MSA-SW42C-030917	Rh, In, Bi
MSA-SW42D-030917	Bi
MSA-SW43A-030917	Bi
MSA-SW43B-030917	Rh, Bi
MSA-SW43C-030917	Rh, Bi
MSA-SW43D-030917	Bi

TO: A. APANAVAGE
SDG: 240-76547-1 and TMM-075

PAGE 4

Samples

MSA-SW44B-030917
MSA-SW44C-030917
MSA-SW44D-030917
MSA-SW45A-030917
MSA-SW45B-030917
MSA-SW45C-030917

Noncompliant Internal Standards

Rh, In, Bi
Rh, Bi
Rh, Bi
Rh, Bi
Rh, Bi
Rh, Bi

Results for associated analytes were qualified as estimated (J) and (UJ) for detected and nondetected results.

- Detected results reported below the RL limit but above the Method Detection Limit (MDL) were qualified as estimated, (J).

Notes

Methylene chloride was detected in the VOC method blank 240-270300/7 at a concentration of 0.611 ug/L. No action was taken as all sample results were nondetect.

VOC laboratory control sample (LCS) percent recovery (%R) was greater than QC limits for 2-butanone affecting batch 270478. No action was taken as results for 2-butanone were nondetect.

Non-detected results were reported to the MDL.

Executive Summary

Laboratory Performance: The non-detected reporting limit for chlorodifluoromethane results were estimated because no calibration standard was analyzed. Calibration noncompliance was noted for VOCs. Methylene chloride and metals were present in laboratory preparation and method blanks. Internal standard noncompliance was noted for several metals.

Other Factors Affecting Data Quality: Because samples were preserved in acid, the recovery of 2-chloroethyl vinyl ether is unreliable.

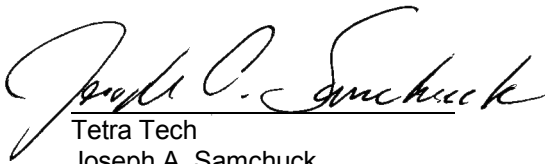
TO: A. APANAVAGE
SDG: 240-76547-1 and TMM-075

PAGE 5

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (January 2017) and the "National Functional Guidelines for Inorganic Review" (January 2017). The text of this report has been formulated to address only those areas affecting data quality.



Tetra Tech
Leanne M. Ganser
Environmental Scientist/Data Validator



Tetra Tech
Joseph A. Samchuck
Data Validation Manager

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	EL-SW01A-030917			EL-SW01B-030917			EL-SW01C-030917			EL-SW01D-030917		
	LAB_ID	240-76547-41			240-76547-42			240-76547-43			240-76547-44		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.23	U		0.23	U		0.23	U		0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	UJ	C	1	UJ	C	1	UJ	C	1	UJ	C
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW37A-030917			MSA-SW37B-030917			MSA-SW37C-030917			MSA-SW37D-030917		
	LAB_ID	240-76547-1			240-76547-2			240-76547-3			240-76547-4		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46 U			0.46 U			0.46 U			0.46 U		
1,1,1-TRICHLOROETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,1,2,2-TETRACHLOROETHANE		0.32 U			0.32 U			0.32 U			0.32 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41 U			0.41 U			0.41 U			0.41 U		
1,1-DICHLOROETHANE		0.25 U			0.25 U			0.25 U			0.25 U		
1,1-DICHLOROETHENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,1-DICHLOROPROPENE		0.28 U			0.28 U			0.28 U			0.28 U		
1,2,3-TRICHLOROBENZENE		0.35 U			0.35 U			0.35 U			0.35 U		
1,2,3-TRICHLOROPROPANE		0.54 U			0.54 U			0.54 U			0.54 U		
1,2,3-TRIMETHYLBENZENE		0.22 U			0.22 U			0.22 U			0.22 U		
1,2,4-TRICHLOROBENZENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,2,4-TRIMETHYLBENZENE		0.24 U			0.24 U			0.24 U			0.24 U		
1,2-DIBROMO-3-CHLOROPROPANE		0.47 U			0.47 U			0.47 U			0.47 U		
1,2-DIBROMOETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,2-DICHLOROBENZENE		0.26 U			0.26 U			0.26 U			0.26 U		
1,2-DICHLOROETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,2-DICHLOROPROPANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,3-DICHLOROBENZENE		0.32 U			0.32 U			0.32 U			0.32 U		
1,3-DICHLOROPROPANE		0.29 U			0.29 U			0.29 U			0.29 U		
1,4-DICHLOROBENZENE		0.23 U			0.23 U			0.23 U			0.23 U		
2,2-DICHLOROPROPANE		0.34 U			0.34 U			0.34 U			0.34 U		
2-BUTANONE		1 U			1 U			1 U			1 U		
2-CHLOROETHYL VINYL ETHER		0.65 UR	M		0.65 UR	M		0.65 UR	M		0.65 UR	M	
2-CHLOROTOLUENE		0.28 U			0.28 U			0.28 U			0.28 U		
2-HEXANONE		1.2 U			1.2 U			1.2 U			1.2 U		
4-CHLOROTOLUENE		0.23 U			0.23 U			0.23 U			0.23 U		
4-ISOPROPYLTOLUENE		0.29 U			0.29 U			0.29 U			0.29 U		
4-METHYL-2-PENTANONE		0.71 U			0.71 U			0.71 U			0.71 U		
ACETONE		1.8 U			1.8 U			1.8 U			1.8 U		
BENZENE		0.28 U			0.28 U			0.28 U			0.28 U		
BROMOBENZENE		0.31 U			0.31 U			0.31 U			0.31 U		
BROMOCHLOROMETHANE		0.47 U			0.47 U			0.47 U			0.47 U		
BROMODICHLOROMETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
BROMOFORM		0.43 U			0.43 U			0.43 U			0.43 U		
BROMOMETHANE		0.42 U			0.42 U			0.42 U			0.42 U		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW38A-030917			MSA-SW38B-030917			MSA-SW38C-030917			MSA-SW38D-030917		
	LAB_ID	240-76547-5			240-76547-6			240-76547-7			240-76547-8		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.3	J	P	0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.38	J	P	0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.51	J	P	0.23	U		0.23	U		0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	U		1	U		1	U		1	U	
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	U		0.42	U		0.42	U		0.42	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW39A-030917			MSA-SW39B-030917			MSA-SW39C-030917			MSA-SW39D-030917		
	LAB_ID	240-76547-9			240-76547-10			240-76547-11			240-76547-12		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46 U			0.46 U			0.46 U			0.46 U		
1,1,1-TRICHLOROETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,1,2,2-TETRACHLOROETHANE		0.32 U			0.32 U			0.32 U			0.32 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41 U			0.41 U			0.41 U			0.41 U		
1,1-DICHLOROETHANE		0.25 U			0.25 U			0.25 U			0.25 U		
1,1-DICHLOROETHENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,1-DICHLOROPROPENE		0.28 U			0.28 U			0.28 U			0.28 U		
1,2,3-TRICHLOROBENZENE		0.35 U			0.35 U			0.35 U			0.35 U		
1,2,3-TRICHLOROPROPANE		0.54 U			0.54 U			0.54 U			0.54 U		
1,2,3-TRIMETHYLBENZENE		0.22 U			0.22 U			0.22 U			0.22 U		
1,2,4-TRICHLOROBENZENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,2,4-TRIMETHYLBENZENE		0.24 U			0.24 U			0.24 U			0.24 U		
1,2-DIBROMO-3-CHLOROPROPANE		0.47 U			0.47 U			0.47 U			0.47 U		
1,2-DIBROMOETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,2-DICHLOROBENZENE		0.26 U			0.26 U			0.26 U			0.26 U		
1,2-DICHLOROETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,2-DICHLOROPROPANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,3-DICHLOROBENZENE		0.32 U			0.32 U			0.32 U			0.32 U		
1,3-DICHLOROPROPANE		0.29 U			0.29 U			0.29 U			0.29 U		
1,4-DICHLOROBENZENE		0.23 U			0.23 U			0.23 U			0.23 U		
2,2-DICHLOROPROPANE		0.34 U			0.34 U			0.34 U			0.34 U		
2-BUTANONE		1 U			1 U			1 U			1 U		
2-CHLOROETHYL VINYL ETHER		0.65 UR	M		0.65 UR	M		0.65 UR	M		0.65 UR	M	
2-CHLOROTOLUENE		0.28 U			0.28 U			0.28 U			0.28 U		
2-HEXANONE		1.2 U			1.2 U			1.2 U			1.2 U		
4-CHLOROTOLUENE		0.23 U			0.23 U			0.23 U			0.23 U		
4-ISOPROPYLTOLUENE		0.29 U			0.29 U			0.29 U			0.29 U		
4-METHYL-2-PENTANONE		0.71 U			0.71 U			0.71 U			0.71 U		
ACETONE		1.8 U			1.8 U			1.8 U			1.8 U		
BENZENE		0.28 U			0.28 U			0.28 U			0.28 U		
BROMOBENZENE		0.31 U			0.31 U			0.31 U			0.31 U		
BROMOCHLOROMETHANE		0.47 U			0.47 U			0.47 U			0.47 U		
BROMODICHLOROMETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
BROMOFORM		0.43 U			0.43 U			0.43 U			0.43 U		
BROMOMETHANE		0.42 U			0.42 U			0.42 U			0.42 U		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW40A-030917			MSA-SW40B-030917			MSA-SW40C-030917			MSA-SW40D-030917		
	LAB_ID	240-76547-13			240-76547-14			240-76547-15			240-76547-16		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46 U			0.46 U			0.46 U			0.46 U		
1,1,1-TRICHLOROETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,1,2,2-TETRACHLOROETHANE		0.32 U			0.32 U			0.32 U			0.32 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41 U			0.41 U			0.41 U			0.41 U		
1,1-DICHLOROETHANE		0.25 U			0.25 U			0.25 U			0.25 U		
1,1-DICHLOROETHENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,1-DICHLOROPROPENE		0.28 U			0.28 U			0.28 U			0.28 U		
1,2,3-TRICHLOROBENZENE		0.35 U			0.35 U			0.35 U			0.35 U		
1,2,3-TRICHLOROPROPANE		0.54 U			0.54 U			0.54 U			0.54 U		
1,2,3-TRIMETHYLBENZENE		0.22 U			0.22 U			0.22 U			0.22 U		
1,2,4-TRICHLOROBENZENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,2,4-TRIMETHYLBENZENE		0.24 U			0.24 U			0.24 U			0.24 U		
1,2-DIBROMO-3-CHLOROPROPANE		0.47 U			0.47 U			0.47 U			0.47 U		
1,2-DIBROMOETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,2-DICHLOROBENZENE		0.26 U			0.26 U			0.26 U			0.26 U		
1,2-DICHLOROETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,2-DICHLOROPROPANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,3-DICHLOROBENZENE		0.32 U			0.32 U			0.32 U			0.32 U		
1,3-DICHLOROPROPANE		0.29 U			0.29 U			0.29 U			0.29 U		
1,4-DICHLOROBENZENE		0.23 U			0.23 U			0.23 U			0.23 U		
2,2-DICHLOROPROPANE		0.34 U			0.34 U			0.34 U			0.34 U		
2-BUTANONE		1 U			1 U			1 U			1 U		
2-CHLOROETHYL VINYL ETHER		0.65 UR	M		0.65 UR	M		0.65 UR	M		0.65 UR	M	
2-CHLOROTOLUENE		0.28 U			0.28 U			0.28 U			0.28 U		
2-HEXANONE		1.2 U			1.2 U			1.2 U			1.2 U		
4-CHLOROTOLUENE		0.23 U			0.23 U			0.23 U			0.23 U		
4-ISOPROPYLTOLUENE		0.29 U			0.29 U			0.29 U			0.29 U		
4-METHYL-2-PENTANONE		0.71 U			0.71 U			0.71 U			0.71 U		
ACETONE		1.8 U			1.8 U			1.8 U			1.8 U		
BENZENE		0.28 U			0.28 U			0.28 U			0.28 U		
BROMOBENZENE		0.31 U			0.31 U			0.31 U			0.31 U		
BROMOCHLOROMETHANE		0.47 U			0.47 U			0.47 U			0.47 U		
BROMODICHLOROMETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
BROMOFORM		0.43 U			0.43 U			0.43 U			0.43 U		
BROMOMETHANE		0.42 U			0.42 U			0.42 U			0.42 U		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW41A-030917			MSA-SW41B-030917			MSA-SW41C-030917			MSA-SW41D-030917		
	LAB_ID	240-76547-17			240-76547-18			240-76547-19			240-76547-20		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.23	U		0.23	U		0.23	U		0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	U		1	U		1	U		1	U	
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	U		0.42	U		0.42	UJ	C	0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42C-030917			MSA-SW42D-030917		
	LAB_ID	240-76547-21			240-76547-22			240-76547-23			240-76547-24		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.23	U		0.23	U		0.23	U		0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	U		1	U		1	U		1	U	
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43B-030917			MSA-SW43C-030917			MSA-SW43D-030917		
	LAB_ID	240-76547-25			240-76547-26			240-76547-27			240-76547-28		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.23	U		0.23	U		0.23	U		0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	U		1	U		1	U		1	U	
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW44A-030917			MSA-SW44B-030917			MSA-SW44C-030917			MSA-SW44D-030917		
	LAB_ID	240-76547-29			240-76547-30			240-76547-31			240-76547-32		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46 U			0.46 U			0.46 U			0.46 U		
1,1,1-TRICHLOROETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,1,2,2-TETRACHLOROETHANE		0.32 U			0.32 U			0.32 U			0.32 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41 U			0.41 U			0.41 U			0.41 U		
1,1-DICHLOROETHANE		0.25 U			0.25 U			0.25 U			0.25 U		
1,1-DICHLOROETHENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,1-DICHLOROPROPENE		0.28 U			0.28 U			0.28 U			0.28 U		
1,2,3-TRICHLOROBENZENE		0.35 U			0.35 U			0.35 U			0.35 U		
1,2,3-TRICHLOROPROPANE		0.54 U			0.54 U			0.54 U			0.54 U		
1,2,3-TRIMETHYLBENZENE		0.22 U			0.22 U			0.22 U			0.22 U		
1,2,4-TRICHLOROBENZENE		0.27 U			0.27 U			0.27 U			0.27 U		
1,2,4-TRIMETHYLBENZENE		0.24 U			0.24 U			0.24 U			0.24 U		
1,2-DIBROMO-3-CHLOROPROPANE		0.47 U			0.47 U			0.47 U			0.47 U		
1,2-DIBROMOETHANE		0.23 U			0.23 U			0.23 U			0.23 U		
1,2-DICHLOROBENZENE		0.26 U			0.26 U			0.26 U			0.26 U		
1,2-DICHLOROETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,2-DICHLOROPROPANE		0.3 U			0.3 U			0.3 U			0.3 U		
1,3-DICHLOROBENZENE		0.32 U			0.32 U			0.32 U			0.32 U		
1,3-DICHLOROPROPANE		0.29 U			0.29 U			0.29 U			0.29 U		
1,4-DICHLOROBENZENE		0.23 U			0.23 U			0.23 U			0.23 U		
2,2-DICHLOROPROPANE		0.34 U			0.34 U			0.34 U			0.34 U		
2-BUTANONE		1 U			1 U			1 U			1 U		
2-CHLOROETHYL VINYL ETHER		0.65 UR	M		0.65 UR	M		0.65 UR	M		0.65 UR	M	
2-CHLOROTOLUENE		0.28 U			0.28 U			0.28 U			0.28 U		
2-HEXANONE		1.2 U			1.2 U			1.2 U			1.2 U		
4-CHLOROTOLUENE		0.23 U			0.23 U			0.23 U			0.23 U		
4-ISOPROPYLTOLUENE		0.29 U			0.29 U			0.29 U			0.29 U		
4-METHYL-2-PENTANONE		0.71 U			0.71 U			0.71 U			0.71 U		
ACETONE		1.8 U			1.8 U			1.8 U			1.8 U		
BENZENE		0.28 U			0.28 U			0.28 U			0.28 U		
BROMOBENZENE		0.31 U			0.31 U			0.31 U			0.31 U		
BROMOCHLOROMETHANE		0.47 U			0.47 U			0.47 U			0.47 U		
BROMODICHLOROMETHANE		0.3 U			0.3 U			0.3 U			0.3 U		
BROMOFORM		0.43 U			0.43 U			0.43 U			0.43 U		
BROMOMETHANE		0.42 UJ	C		0.42 UJ	C		0.42 UJ	C		0.42 UJ	C	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW45A-030917			MSA-SW45B-030917			MSA-SW45C-030917			MSA-SW45D-030917		
	LAB_ID	240-76547-33			240-76547-34			240-76547-35			240-76547-36		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.23	U		0.23	U		0.23	U		0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	U		1	U		1	U		1	U	
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW46A-030917			MSA-SW47A-030917			MSA-SW48A-030917			MSA-SW49A-030917		
	LAB_ID	240-76547-37			240-76547-38			240-76547-39			240-76547-40		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U		0.32	U		0.32	U		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
1,1-DICHLOROETHENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,1-DICHLOROPROPENE		0.28	U		0.28	U		0.28	U		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U		0.35	U		0.35	U		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U		0.22	U		0.22	U		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,2-DIBROMOETHANE		0.23	U		0.23	U		0.23	U		0.23	U	
1,2-DICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-DICHLOROETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,2-DICHLOROPROPANE		0.3	U		0.3	U		0.3	U		0.3	U	
1,3-DICHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
1,3-DICHLOROPROPANE		0.29	U		0.29	U		0.29	U		0.29	U	
1,4-DICHLOROBENZENE		0.23	U		0.23	U		0.39	J	P	0.23	U	
2,2-DICHLOROPROPANE		0.34	U		0.34	U		0.34	U		0.34	U	
2-BUTANONE		1	U		1	U		1	UJ	C	1	UJ	C
2-CHLOROETHYL VINYL ETHER		0.65	UR	M	0.65	UR	M	0.65	UR	M	0.65	UR	M
2-CHLOROTOLUENE		0.28	U		0.28	U		0.28	U		0.28	U	
2-HEXANONE		1.2	U		1.2	U		1.2	U		1.2	U	
4-CHLOROTOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U		0.29	U		0.29	U		0.29	U	
4-METHYL-2-PENTANONE		0.71	U		0.71	U		0.71	U		0.71	U	
ACETONE		1.8	U		1.8	U		1.8	U		1.8	U	
BENZENE		0.28	U		0.28	U		0.28	U		0.28	U	
BROMOBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
BROMOCHLOROMETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
BROMODICHLOROMETHANE		0.3	U		0.3	U		0.3	U		0.3	U	
BROMOFORM		0.43	U		0.43	U		0.43	U		0.43	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-030917		
	LAB_ID	240-76547-45		
	SAMP_DATE	3/9/2017		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.46	U	
1,1,1-TRICHLOROETHANE		0.23	U	
1,1,2,2-TETRACHLOROETHANE		0.32	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U	
1,1-DICHLOROETHANE		0.25	U	
1,1-DICHLOROETHENE		0.27	U	
1,1-DICHLOROPROPENE		0.28	U	
1,2,3-TRICHLOROBENZENE		0.35	U	
1,2,3-TRICHLOROPROPANE		0.54	U	
1,2,3-TRIMETHYLBENZENE		0.22	U	
1,2,4-TRICHLOROBENZENE		0.27	U	
1,2,4-TRIMETHYLBENZENE		0.24	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.47	U	
1,2-DIBROMOETHANE		0.23	U	
1,2-DICHLOROBENZENE		0.26	U	
1,2-DICHLOROETHANE		0.3	U	
1,2-DICHLOROPROPANE		0.3	U	
1,3-DICHLOROBENZENE		0.32	U	
1,3-DICHLOROPROPANE		0.29	U	
1,4-DICHLOROBENZENE		0.23	U	
2,2-DICHLOROPROPANE		0.34	U	
2-BUTANONE		1	UJ	C
2-CHLOROETHYL VINYL ETHER		0.65	UR	M
2-CHLOROTOLUENE		0.28	U	
2-HEXANONE		1.2	U	
4-CHLOROTOLUENE		0.23	U	
4-ISOPROPYLTOLUENE		0.29	U	
4-METHYL-2-PENTANONE		0.71	U	
ACETONE		1.8	U	
BENZENE		0.28	U	
BROMOBENZENE		0.31	U	
BROMOCHLOROMETHANE		0.47	U	
BROMODICHLOROMETHANE		0.3	U	
BROMOFORM		0.43	U	
BROMOMETHANE		0.42	UJ	C

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	EL-SW01A-030917			EL-SW01B-030917			EL-SW01C-030917			EL-SW01D-030917		
	LAB_ID	240-76547-41			240-76547-42			240-76547-43			240-76547-44		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	UJ	C	0.41	UJ	C	0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		0.32	J	P	0.42	J	P	0.43	J	P	0.47	J	P
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	UJ	C
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.4	J	P	0.5	J	P	0.49	J	P	0.53	J	P

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW37A-030917			MSA-SW37B-030917			MSA-SW37C-030917			MSA-SW37D-030917		
	LAB_ID	240-76547-1			240-76547-2			240-76547-3			240-76547-4		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		0.46	J	P	0.5	J	P	0.51	J	P	0.49	J	P
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.64	J	P	0.63	J	P	0.33	U		0.64	J	P

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW38A-030917			MSA-SW38B-030917			MSA-SW38C-030917			MSA-SW38D-030917		
	LAB_ID	240-76547-5			240-76547-6			240-76547-7			240-76547-8		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		22			2.2			1.8			1.6		
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		7.5			2.3			2.2			1.9		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW39A-030917			MSA-SW39B-030917			MSA-SW39C-030917			MSA-SW39D-030917		
	LAB_ID	240-76547-9			240-76547-10			240-76547-11			240-76547-12		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		0.3	U		0.33	J	P	0.3	U		0.3	U	
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.33	U		0.33	U		0.33	U		0.33	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW40A-030917			MSA-SW40B-030917			MSA-SW40C-030917			MSA-SW40D-030917		
	LAB_ID	240-76547-13			240-76547-14			240-76547-15			240-76547-16		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		2.4			0.87	J	P	0.76	J	P	2.4		
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		1.9			0.69	J	P	0.67	J	P	1.5		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW41A-030917			MSA-SW41B-030917			MSA-SW41C-030917			MSA-SW41D-030917		
	LAB_ID	240-76547-17			240-76547-18			240-76547-19			240-76547-20		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	U		0.41	U		0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		6.5			0.72	J	P	2			1.9		
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		5			0.63	J	P	1.4			1.6		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42C-030917			MSA-SW42D-030917		
	LAB_ID	240-76547-21			240-76547-22			240-76547-23			240-76547-24		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	UJ	C	0.41	UJ	C	0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		1.3			0.75	J	P	0.52	J	P	0.48	J	P
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.67	J	P	0.63	J	P	0.67	J	P	0.6	J	P

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43B-030917			MSA-SW43C-030917			MSA-SW43D-030917		
	LAB_ID	240-76547-25			240-76547-26			240-76547-27			240-76547-28		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	UJ	C	0.41	UJ	C	0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		1.2			0.91	J	P	1			1.1		
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.87	J	P	0.72	J	P	0.86	J	P	0.82	J	P

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW44A-030917			MSA-SW44B-030917			MSA-SW44C-030917			MSA-SW44D-030917		
	LAB_ID	240-76547-29			240-76547-30			240-76547-31			240-76547-32		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	UJ	C	0.41	UJ	C	0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		0.51	J	P	0.64	J	P	0.62	J	P	0.64	J	P
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.45	J	P	0.68	J	P	0.63	J	P	0.65	J	P

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW45A-030917			MSA-SW45B-030917			MSA-SW45C-030917			MSA-SW45D-030917		
	LAB_ID	240-76547-33			240-76547-34			240-76547-35			240-76547-36		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	UJ	C	0.41	UJ	C	0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		0.51	J	P	0.42	J	P	0.47	J	P	0.48	J	P
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.28	U		0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		0.24	U		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.42	J	P	0.38	J	P	0.47	J	P	0.49	J	P

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW46A-030917			MSA-SW47A-030917			MSA-SW48A-030917			MSA-SW49A-030917		
	LAB_ID	240-76547-37			240-76547-38			240-76547-39			240-76547-40		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U		0.34	U		0.34	U		0.34	U	
CARBON TETRACHLORIDE		0.35	U		0.35	U		0.35	U		0.35	U	
CHLOROBENZENE		0.32	U		0.32	U		0.32	U		0.32	U	
CHLORODIBROMOMETHANE		0.25	U		0.25	U		0.25	U		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.41	UJ	C	0.41	UJ	C	0.41	UJ	C	0.41	UJ	C
CHLOROFORM		0.31	U		0.31	U		0.31	U		0.31	U	
CHLOROMETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
CIS-1,2-DICHLOROETHENE		0.99	J	P	8.4			13			13		
CIS-1,3-DICHLOROPROPENE		0.26	U		0.26	U		0.26	U		0.26	U	
DIBROMOMETHANE		0.46	U		0.46	U		0.46	U		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	UJ	C	0.5	UJ	C
DIISOPROPYL ETHER		0.44	U		0.44	U		0.44	U		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U		0.35	U		0.35	U		0.35	U	
ETHYLBENZENE		0.26	U		0.26	U		0.29	J	P	0.26	U	
HEXACHLOROBUTADIENE		0.36	U		0.36	U		0.36	U		0.36	U	
ISOPROPYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
M+P-XYLENES		0.24	U		0.24	U		1.5	J	P	0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U		0.27	U		0.27	U		0.27	U	
METHYLENE CHLORIDE		0.53	U		0.53	U		0.53	U		0.53	U	
NAPHTHALENE		0.25	U		0.25	U		0.25	U		0.25	U	
N-BUTYLBENZENE		0.21	U		0.21	U		0.21	U		0.21	U	
N-PROPYLBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
O-XYLENE		0.28	U		0.28	U		0.35	J	P	0.28	U	
SEC-BUTYLBENZENE		0.27	U		0.27	U		0.27	U		0.27	U	
STYRENE		0.23	U		0.23	U		0.23	U		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U		0.29	U		0.29	U		0.29	U	
TERT-BUTYLBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U		4.6	U		4.6	U		4.6	U	
TETRACHLOROETHENE		0.3	U		0.3	U		0.3	U		0.3	U	
TOLUENE		0.23	U		0.23	U		0.23	U		0.23	U	
TOTAL XYLENES		0.24	U		0.24	U		1.9	J	P	0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U		0.29	U		0.29	U		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U		0.31	U		0.31	U		0.31	U	
TRICHLOROETHENE		0.6	J	P	3.4			9.7			7.9		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-030917		
	LAB_ID	240-76547-45		
	SAMP_DATE	3/9/2017		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.34	U	
CARBON TETRACHLORIDE		0.35	U	
CHLOROBENZENE		0.32	U	
CHLORODIBROMOMETHANE		0.25	U	
CHLORODIFLUOROMETHANE		1	UJ	Q
CHLOROETHANE		0.41	UJ	C
CHLOROFORM		0.31	U	
CHLOROMETHANE		0.43	U	
CIS-1,2-DICHLOROETHENE		0.3	U	
CIS-1,3-DICHLOROPROPENE		0.26	U	
DIBROMOMETHANE		0.46	U	
DICHLORODIFLUOROMETHANE		0.5	UJ	C
DIISOPROPYL ETHER		0.44	U	
ETHYL TERT-BUTYL ETHER		0.35	U	
ETHYLBENZENE		0.26	U	
HEXACHLOROBUTADIENE		0.36	U	
ISOPROPYLBENZENE		0.21	U	
M+P-XYLENES		0.24	U	
METHYL TERT-BUTYL ETHER		0.27	U	
METHYLENE CHLORIDE		0.53	U	
NAPHTHALENE		0.25	U	
N-BUTYLBENZENE		0.21	U	
N-PROPYLBENZENE		0.45	U	
O-XYLENE		0.28	U	
SEC-BUTYLBENZENE		0.27	U	
STYRENE		0.23	U	
TERT-AMYL METHYL ETHER		0.29	U	
TERT-BUTYLBENZENE		0.26	U	
TERTIARY-BUTYL ALCOHOL		4.6	U	
TETRACHLOROETHENE		0.3	U	
TOLUENE		0.23	U	
TOTAL XYLENES		0.24	U	
TRANS-1,2-DICHLOROETHENE		0.29	U	
TRANS-1,3-DICHLOROPROPENE		0.31	U	
TRICHLOROETHENE		0.33	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	EL-SW01A-030917			EL-SW01B-030917			EL-SW01C-030917			EL-SW01D-030917		
	LAB_ID	240-76547-41			240-76547-42			240-76547-43			240-76547-44		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW37A-030917			MSA-SW37B-030917			MSA-SW37C-030917			MSA-SW37D-030917		
	LAB_ID	240-76547-1			240-76547-2			240-76547-3			240-76547-4		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW38A-030917			MSA-SW38B-030917			MSA-SW38C-030917			MSA-SW38D-030917		
	LAB_ID	240-76547-5			240-76547-6			240-76547-7			240-76547-8		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		15			0.98			0.72			0.68		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW39A-030917			MSA-SW39B-030917			MSA-SW39C-030917			MSA-SW39D-030917		
	LAB_ID	240-76547-9			240-76547-10			240-76547-11			240-76547-12		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW40A-030917			MSA-SW40B-030917			MSA-SW40C-030917			MSA-SW40D-030917		
	LAB_ID	240-76547-13			240-76547-14			240-76547-15			240-76547-16		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		1.3			0.61			0.53			0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW41A-030917			MSA-SW41B-030917			MSA-SW41C-030917			MSA-SW41D-030917		
	LAB_ID	240-76547-17			240-76547-18			240-76547-19			240-76547-20		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		1.2			0.45	U		0.45	U		0.7		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42C-030917			MSA-SW42D-030917		
	LAB_ID	240-76547-21			240-76547-22			240-76547-23			240-76547-24		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		1.2			0.51			0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43B-030917			MSA-SW43C-030917			MSA-SW43D-030917		
	LAB_ID	240-76547-25			240-76547-26			240-76547-27			240-76547-28		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW44A-030917			MSA-SW44B-030917			MSA-SW44C-030917			MSA-SW44D-030917		
	LAB_ID	240-76547-29			240-76547-30			240-76547-31			240-76547-32		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW45A-030917			MSA-SW45B-030917			MSA-SW45C-030917			MSA-SW45D-030917		
	LAB_ID	240-76547-33			240-76547-34			240-76547-35			240-76547-36		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	MSA-SW46A-030917			MSA-SW47A-030917			MSA-SW48A-030917			MSA-SW49A-030917		
	LAB_ID	240-76547-37			240-76547-38			240-76547-39			240-76547-40		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL ACETATE		0.28	U		0.28	U		0.28	U		0.28	U	
VINYL CHLORIDE		0.95			6.7			3.8			1.3		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: OV MEDIA: WATER	NSAMPLE	TB-030917		
	LAB_ID	240-76547-45		
	SAMP_DATE	3/9/2017		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.5	U	
VINYL ACETATE		0.28	U	
VINYL CHLORIDE		0.45	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: TICOV MEDIA: WATER	NSAMPLE	EL-SW01A-030917			EL-SW01C-030917			EL-SW01D-030917			MSA-SW38C-030917		
	LAB_ID	240-76547-41			240-76547-43			240-76547-44			240-76547-7		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
(1S,2R)-(+)-NOREPHEDRINE													
1-METHYLDODECYLAMINE													
2-CHLOROETHANOL								1.5	NJ	Z1			
2-PENTENEDINITRILE													
3,3'-IMINOBISPROPYLAMINE													
4-AMINO-1-PENTANOL													
4-FLUOROHISTAMINE					1.2	NJ	Z1						
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE													
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*		1.2	NJ	Z1									
DEXTROAMPHETAMINE													
ETHANE, 1,2-DICHLORO-1-ETHOXY-													
N-HEXYLMETHYLAMINE													
PROPANAL, 3-(METHYLTHIO)-													
UNKNOWN											6.3	NJ	Q02

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: TICOV MEDIA: WATER	NSAMPLE	MSA-SW41C-030917			MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42D-030917		
	LAB_ID	240-76547-19			240-76547-21			240-76547-22			240-76547-24		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
(1S,2R)-(+)-NOREPHEDRINE													
1-METHYLDODECYLAMINE													
2-CHLOROETHANOL											1.3	NJ	Z1
2-PENTENEDINITRILE													
3,3'-IMINOBISPROPYLAMINE													
4-AMINO-1-PENTANOL													
4-FLUOROHISTAMINE													
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE								1.3	NJ	1			
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)													
DEXTROAMPHETAMINE													
ETHANE, 1,2-DICHLORO-1-ETHOXY-		1.3	NJ	Z1									
N-HEXYLMETHYLAMINE													
PROPANAL, 3-(METHYLTHIO)-					1.2	NJ	Z1						
UNKNOWN													

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: TICOV MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43C-030917			MSA-SW43D-030917			MSA-SW44A-030917		
	LAB_ID	240-76547-25			240-76547-27			240-76547-28			240-76547-29		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
(1S,2R)-(+)-NOREPHEDRINE													
1-METHYLDODECYLAMINE								2	NJ	Z1			
2-CHLOROETHANOL													
2-PENTENEDINITRILE					1.4	NJ	Z1						
3,3'-IMINOBISPROPYLAMINE		2.3	NJ	Z1									
4-AMINO-1-PENTANOL													
4-FLUOROHISTAMINE													
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE													
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*													
DEXTROAMPHETAMINE													
ETHANE, 1,2-DICHLORO-1-ETHOXY-													
N-HEXYLMETHYLAMINE											2.1	NJ	Z1
PROPANAL, 3-(METHYLTHIO)-													
UNKNOWN													

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: TICOV MEDIA: WATER	NSAMPLE	MSA-SW44D-030917			MSA-SW47A-030917			MSA-SW49A-030917			TB-030917		
	LAB_ID	240-76547-32			240-76547-38			240-76547-40			240-76547-45		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
(1S,2R)-(+)-NOREPHEDRINE											1.4	NJ	Z1
1-METHYLDODECYLAMINE													
2-CHLOROETHANOL					1.1	NJ	Z1						
2-PENTENEDINITRILE													
3,3'-IMINOBISPROPYLAMINE													
4-AMINO-1-PENTANOL		2.1	NJ	Z1									
4-FLUOROHISTAMINE													
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE													
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*													
DEXTROAMPHETAMINE								1.2	NJ	Z1			
ETHANE, 1,2-DICHLORO-1-ETHOXY-													
N-HEXYLMETHYLAMINE													
PROPANAL, 3-(METHYLTHIO)-													
UNKNOWN													

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW37A-030917			MSA-SW37B-030917			MSA-SW37C-030917			MSA-SW37D-030917		
	LAB_ID	240-76547-1			240-76547-2			240-76547-3			240-76547-4		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		1.4	U	A	1.9	U	A	0.83	U	A	0.34	U	A
ARSENIC		1.8	J	P	2.1	J	PN	1.8	J	PN	1.7	J	PN
BARIUM		26			26	J	N	26	J	N	26	J	N
BERYLLIUM		0.4	U		0.4	U		0.4	UJ	N	0.4	UJ	N
CADMIUM		0.31	U		0.31	UJ	N	0.31	UJ	N	0.31	UJ	N
CHROMIUM		0.33	J	P	0.53	J	P	0.26	UJ	N	0.26	UJ	N
COBALT		0.63	U	A	0.69	U	A	0.46	U	A	0.46	U	A
COPPER		3			3.1			2.9	J	N	2.4	J	N
LEAD		0.52	U	A	0.68	U	A	0.43	U	A	0.35	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		1.7	J	PN	1.8	J	PN	1.3	J	PN	1.1	J	PN
NICKEL		1.3	J	P	1.5	J	P	1.3	J	PN	1.3	J	PN
SELENIUM		0.6	J	P	1	J	PN	0.9	J	PN	0.71	J	PN
SILVER		0.03	UJ	N	0.03	UJ	N	0.03	UJ	N	0.03	UJ	N
THALLIUM		0.28	U		0.28	U		0.28	UJ	N	0.28	UJ	N
TUNGSTEN		2.6	U	A	3.5	U	A	0.89	UJ	N	0.89	UJ	N
VANADIUM		0.54	U		1.2	J	P	0.62	J	PN	0.54	UJ	N
ZINC		6.2	U		6.2	U		6.2	UJ	N	6.2	UJ	N

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW38A-030917			MSA-SW38B-030917			MSA-SW38C-030917			MSA-SW38D-030917		
	LAB_ID	240-76547-5			240-76547-6			240-76547-7			240-76547-8		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.36	U	A	0.27	U		0.27	U		0.27	U	
ARSENIC		1.3	J	PN	1.5	J	P	1.8	J	P	1.9	J	P
BARIUM		27	J	N	26			27			26		
BERYLLIUM		0.4	UJ	N	0.4	U		0.4	U		0.4	U	
CADMIUM		0.52	J	PN	0.31	U		0.31	U		0.31	U	
CHROMIUM		0.35	J	PN	0.3	J	P	0.65	J	P	0.26	U	
COBALT		2	J	N	0.55	U	A	0.54	U	A	0.48	U	A
COPPER		2.7	J	N	2.6			2.6			2.7		
LEAD		0.35	U	A	0.29	U	A	0.29	U	A	0.32	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		1.3	J	PN	1	J	P	1.2	J	P	1.2	J	P
NICKEL		1.9	J	PN	1.3	J	P	1.5	J	P	1.4	J	P
SELENIUM		0.86	J	PN	0.48	U		0.69	J	P	0.71	J	P
SILVER		0.03	UJ	N	0.03	U		0.03	U		0.03	U	
THALLIUM		0.28	UJ	N	0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	UJ	N	0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	UJ	N	0.54	U		0.55	J	P	0.54	U	
ZINC		6.2	UJ	N	6.2	U		6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW39A-030917			MSA-SW39B-030917			MSA-SW39C-030917			MSA-SW39D-030917		
	LAB_ID	240-76547-9			240-76547-10			240-76547-11			240-76547-12		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.27	UJ	N	0.27	U		0.27	UJ	N	0.27	UJ	N
ARSENIC		1.7	J	PN	1.7	J	P	1.9	J	PN	1.7	J	PN
BARIUM		26	J	N	27			26	J	N	25	J	N
BERYLLIUM		0.4	U		0.4	U		0.4	U		0.4	U	
CADMIUM		0.31	UJ	N	0.31	U		0.31	UJ	N	0.31	UJ	N
CHROMIUM		0.26	U		0.26	J	P	0.26	U		0.26	U	
COBALT		0.29	U	A	0.34	U	A	0.26	U	A	0.32	U	A
COPPER		2.1			2.4			1.6	J	P	2.5		
LEAD		0.27	U	A	0.24	U	A	0.2	U	A	0.23	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		1.1	J	PN	1.1	J	PN	0.99	J	PN	0.95	J	PN
NICKEL		1.2	J	P	1.2	J	P	1.2	J	P	1.1	J	P
SELENIUM		0.88	J	PN	0.57	J	P	0.54	J	PN	0.48	UJ	N
SILVER		0.03	UJ	N	0.03	UJ	N	0.03	UJ	N	0.03	UJ	N
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	U		0.89	U		0.89	UJ	N	0.89	U	
VANADIUM		0.55	J	P	0.55	J	P	0.54	U		0.54	U	
ZINC		6.2	U		18	J	P	6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW40A-030917			MSA-SW40B-030917			MSA-SW40C-030917			MSA-SW40D-030917		
	LAB_ID	240-76547-13			240-76547-14			240-76547-15			240-76547-16		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.27	UJ	N	0.27	U		0.27	UJ	N	0.6	U	A
ARSENIC		1.7	J	PN	1.8	J	P	1.7	J	PN	1.3	J	P
BARIUM		26	J	N	26			26	J	N	25		
BERYLLIUM		0.4	U		0.4	U		0.4	UJ	N	0.4	U	
CADMIUM		0.31	UJ	N	0.31	U		0.31	UJ	N	0.31	U	
CHROMIUM		0.26	U		0.26	U		0.26	UJ	N	0.85	J	P
COBALT		0.49	U	A	0.44	U	A	0.45	U	A	0.4	U	A
COPPER		3			2.8			2.6	J	N	1.7	J	P
LEAD		0.25	U	A	0.23	U	A	0.32	U	A	0.35	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		1.2	J	PN	1.2	J	PN	1.1	J	PN	2.1	U	A
NICKEL		1.1	J	P	1.4	J	P	1.3	J	PN	1.1	J	P
SELENIUM		0.48	J	PN	0.48	U		0.48	UJ	N	0.75	U	A
SILVER		0.03	UJ	N	0.03	UJ	N	0.03	UJ	N	0.03	U	
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	U		0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	J	P	0.62	J	P	0.54	UJ	N	0.54	U	
ZINC		6.2	U		6.2	U		6.2	UJ	N	6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW41A-030917			MSA-SW41B-030917			MSA-SW41C-030917			MSA-SW41D-030917		
	LAB_ID	240-76547-17			240-76547-18			240-76547-19			240-76547-20		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		1.5	U	A	0.37	U	A	0.35	U	A	0.35	U	A
ARSENIC		1.3	J	P	1	J	P	1.3	J	P	1.2	J	P
BARIUM		24			24			25			24		
BERYLLIUM		0.4	U		0.4	U		0.4	U		0.4	U	
CADMIUM		0.31	U		0.31	U		0.31	U		0.31	U	
CHROMIUM		0.26	U		0.26	U		0.26	U		0.26	U	
COBALT		0.82	U	A	0.59	U	A	0.49	U	A	0.44	U	A
COPPER		2.2			2.1			2.1			2.1		
LEAD		0.34	U	A	0.26	U	A	0.25	U	A	0.25	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		2.7	U	A	2	U	A	1.9	U	A	1.8	U	A
NICKEL		1.2	J	P	1.2	J	P	1.1	J	P	0.92	J	P
SELENIUM		1.1	U	A	0.54	U	A	0.69	U	A	0.68	U	A
SILVER		0.03	U		0.03	U		0.03	U		0.03	U	
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		2.9	U	A	0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	U		0.54	U		0.54	U		0.54	U	
ZINC		6.2	U		6.2	U		6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42C-030917			MSA-SW42D-030917		
	LAB_ID	240-76547-21			240-76547-22			240-76547-23			240-76547-24		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.38	U	A	0.29	U	A	0.32	U	A	0.35	U	A
ARSENIC		1.3	J	P	1.3	J	P	1.2	J	PN	1.3	J	P
BARIUM		25			25			25	J	N	24		
BERYLLIUM		0.4	U		0.4	U		0.4	U		0.4	U	
CADMIUM		0.31	U		0.31	U		0.31	UJ	N	0.31	U	
CHROMIUM		0.26	U		0.26	U		0.26	U		0.26	U	
COBALT		0.45	U	A	0.42	U	A	0.43	U	A	0.36	U	A
COPPER		2.6			2.5			2.6			2.5		
LEAD		0.26	U	A	0.24	U	A	0.23	U	A	0.21	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		2	U	A	2	U	A	1.9	U	A	2	U	A
NICKEL		1.1	J	P	1.1	J	P	1	J	P	1	J	P
SELENIUM		0.6	U	A	0.68	U	A	0.87	U	A	0.69	U	A
SILVER		0.03	U		0.03	UJ	N	0.03	UJ	N	0.03	U	
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	U		0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	U		0.57	J	P	0.54	U		0.54	U	
ZINC		6.2	U		6.2	U		6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43B-030917			MSA-SW43C-030917			MSA-SW43D-030917		
	LAB_ID	240-76547-25			240-76547-26			240-76547-27			240-76547-28		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.27	U		0.27	U		0.4	U	A	0.27	U	A
ARSENIC		1	J	P	1.2	J	P	1.2	J	P	1.1	J	P
BARIUM		24			24			24			24		
BERYLLIUM		0.4	U		0.4	U		0.4	U		0.4	U	
CADMIUM		0.31	U		0.31	U		0.31	U		0.31	U	
CHROMIUM		0.26	U		0.26	U		0.26	U		0.26	U	
COBALT		1.1			0.46	U	A	0.43	U	A	0.42	U	A
COPPER		2.3			2.4			2.2			2		
LEAD		0.2	U	A	0.18	U	A	0.25	U	A	0.18	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		1.9	U	A	1.9	U	A	2	U	A	2	U	A
NICKEL		1.7	J	P	1.1	J	P	1	J	P	0.98	J	P
SELENIUM		0.48	U		0.69	U	A	0.48	U		0.71	U	A
SILVER		0.03	U		0.03	UJ	N	0.03	UJ	N	0.03	U	
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	U		0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	U		0.54	U		0.54	U		0.57	J	P
ZINC		6.2	U		6.2	U		6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW44A-030917			MSA-SW44B-030917			MSA-SW44C-030917			MSA-SW44D-030917		
	LAB_ID	240-76547-29			240-76547-30			240-76547-31			240-76547-32		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.28	U	A	0.27	UJ	N	0.27	U		0.27	U	
ARSENIC		1.2	J	P	1.1	J	PN	1.2	J	P	1.3	J	P
BARIUM		23			24	J	N	23			25		
BERYLLIUM		0.4	U		0.4	U		0.4	U		0.4	U	
CADMIUM		0.31	U		0.31	UJ	N	0.31	U		0.31	U	
CHROMIUM		0.26	U		0.26	U		0.28	J	P	0.26	U	
COBALT		0.43	U	A	0.33	U	A	0.32	U	A	0.35	U	A
COPPER		2.2			2.1			2.2			2.4		
LEAD		0.2	U	A	0.48	U	A	0.18	U	A	0.17	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		1.9	U	A	1.7	U	A	1.9	U	A	1.9	U	A
NICKEL		1.1	J	P	1.1	J	P	1	J	P	1	J	P
SELENIUM		0.48	U		0.48	UJ	N	0.48	U		0.48	U	
SILVER		0.03	U		0.03	UJ	N	0.03	UJ	N	0.03	UJ	N
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	U		0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	U		0.54	U		0.54	U		0.57	J	P
ZINC		6.2	U		6.2	U		6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MF MEDIA: WATER	NSAMPLE	MSA-SW45A-030917			MSA-SW45B-030917			MSA-SW45C-030917			MSA-SW45D-030917		
	LAB_ID	240-76547-33			240-76547-34			240-76547-35			240-76547-36		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ANTIMONY		0.27	U		0.27	U		0.31	U	A	0.27	U	
ARSENIC		1.2	J	P	1.2	J	P	1.1	J	P	1.4	J	P
BARIUM		25			24			23			24		
BERYLLIUM		0.4	U		0.4	U		0.4	U		0.4	U	
CADMIUM		0.31	U		0.31	U		0.31	U		0.31	U	
CHROMIUM		0.26	U		0.26	U		0.26	U		1.4	J	P
COBALT		0.41	U	A	0.29	U	A	0.33	U	A	0.33	U	A
COPPER		2.2			16			16			2.2		
LEAD		0.18	U	A	0.19	U	A	0.17	U	A	0.25	U	A
MERCURY		0.13	U		0.13	U		0.13	U		0.13	U	
MOLYBDENUM		2	U	A	1.7	U	A	1.8	U	A	1.1	J	P
NICKEL		1.1	J	P	1	J	P	0.97	J	P	1	U	A
SELENIUM		0.48	U		0.75	U	A	0.48	U		0.48	U	
SILVER		0.03	UJ	N	0.03	UJ	N	0.03	UJ	N	0.03	U	
THALLIUM		0.28	U		0.28	U		0.28	U		0.28	U	
TUNGSTEN		0.89	U		0.89	U		0.89	U		0.89	U	
VANADIUM		0.54	U		0.54	U		0.54	U		0.54	U	
ZINC		6.2	U		6.2	U		6.2	U		6.2	U	

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW37A-030917			MSA-SW37B-030917			MSA-SW37C-030917			MSA-SW37D-030917		
	LAB_ID	240-76547-1			240-76547-2			240-76547-3			240-76547-4		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			140		
HARDNESS AS CaCO3		720			700			720			670		
MAGNESIUM HARDNESS AS CaCO3		570			550			560			530		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW38A-030917			MSA-SW38B-030917			MSA-SW38C-030917			MSA-SW38D-030917		
	LAB_ID	240-76547-5			240-76547-6			240-76547-7			240-76547-8		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		160			150			150			160		
HARDNESS AS CaCO3		730			700			720			730		
MAGNESIUM HARDNESS AS CaCO3		570			550			570			580		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW39A-030917			MSA-SW39B-030917			MSA-SW39C-030917			MSA-SW39D-030917		
	LAB_ID	240-76547-9			240-76547-10			240-76547-11			240-76547-12		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			150		
HARDNESS AS CaCO3		680			710			700			690		
MAGNESIUM HARDNESS AS CaCO3		540			560			550			540		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW40A-030917			MSA-SW40B-030917			MSA-SW40C-030917			MSA-SW40D-030917		
	LAB_ID	240-76547-13			240-76547-14			240-76547-15			240-76547-16		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			150		
HARDNESS AS CaCO3		710			700			710			700		
MAGNESIUM HARDNESS AS CaCO3		560			550			560			560		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW41A-030917			MSA-SW41B-030917			MSA-SW41C-030917			MSA-SW41D-030917		
	LAB_ID	240-76547-17			240-76547-18			240-76547-19			240-76547-20		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			150		
HARDNESS AS CaCO3		680			690			700			680		
MAGNESIUM HARDNESS AS CaCO3		530			540			550			540		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42C-030917			MSA-SW42D-030917		
	LAB_ID	240-76547-21			240-76547-22			240-76547-23			240-76547-24		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			150		
HARDNESS AS CaCO3		700			700			700			710		
MAGNESIUM HARDNESS AS CaCO3		550			550			550			560		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43B-030917			MSA-SW43C-030917			MSA-SW43D-030917		
	LAB_ID	240-76547-25			240-76547-26			240-76547-27			240-76547-28		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			150		
HARDNESS AS CaCO3		700			700			690			700		
MAGNESIUM HARDNESS AS CaCO3		550			550			540			550		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW44A-030917			MSA-SW44B-030917			MSA-SW44C-030917			MSA-SW44D-030917		
	LAB_ID	240-76547-29			240-76547-30			240-76547-31			240-76547-32		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			150			160		
HARDNESS AS CaCO3		700			710			690			750		
MAGNESIUM HARDNESS AS CaCO3		550			560			550			590		

PROJ_NO: 08118 SDG: 240-76547-1 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW45A-030917			MSA-SW45B-030917			MSA-SW45C-030917			MSA-SW45D-030917		
	LAB_ID	240-76547-33			240-76547-34			240-76547-35			240-76547-36		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CALCIUM HARDNESS AS CaCO3		150			150			140			150		
HARDNESS AS CaCO3		730			700			680			700		
MAGNESIUM HARDNESS AS CaCO3		570			550			540			560		

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW37A-030917			MSA-SW37B-030917			MSA-SW37C-030917			MSA-SW37D-030917		
	LAB_ID	2214107001			2214107002			2214107003			2214107004		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW38A-030917			MSA-SW38B-030917			MSA-SW38C-030917			MSA-SW38D-030917		
	LAB_ID	2214107005			2214107006			2214107007			2214107008		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW39A-030917			MSA-SW39B-030917			MSA-SW39C-030917			MSA-SW39D-030917		
	LAB_ID	2214107009			2214107010			2214107011			2214107012		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW40A-030917			MSA-SW40B-030917			MSA-SW40C-030917			MSA-SW40D-030917		
	LAB_ID	2214107013			2214107014			2214107015			2214107016		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW41A-030917			MSA-SW41B-030917			MSA-SW41C-030917			MSA-SW41D-030917		
	LAB_ID	2214107017			2214107018			2214107019			2214107020		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW42A-030917			MSA-SW42B-030917			MSA-SW42C-030917			MSA-SW42D-030917		
	LAB_ID	2214107021			2214107022			2214107023			2214107024		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW43A-030917			MSA-SW43B-030917			MSA-SW43C-030917			MSA-SW43D-030917		
	LAB_ID	2214107025			2214107026			2214107027			2214107028		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW44A-030917			MSA-SW44B-030917			MSA-SW44C-030917			MSA-SW44D-030917		
	LAB_ID	2214107029			2214107030			2214107031			2214107032		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

PROJ_NO: 08118 SDG: TMM-075 FRACTION: MISC MEDIA: WATER	NSAMPLE	MSA-SW45A-030917			MSA-SW45B-030917			MSA-SW45C-030917			MSA-SW45D-030917		
	LAB_ID	2214107033			2214107034			2214107035			2214107036		
	SAMP_DATE	3/9/2017			3/9/2017			3/9/2017			3/9/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
HEXAVALENT CHROMIUM		0.047	U		0.047	U		0.047	U		0.047	U	

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW37A-030917 Lab Sample ID: 240-76547-1

Matrix: Water Lab File ID: UXM1138.D

Analysis Method: 8260C Date Collected: 03/09/2017 12:11

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW37A-030917</u>	Lab Sample ID: <u>240-76547-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1138.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:11</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 15:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.46	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.64	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW37A-030917 Lab Sample ID: 240-76547-1
 Matrix: Water Lab File ID: UXM1138.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:11
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	103		73-124
1868-53-7	Dibromofluoromethane (Surr)	100		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW37A-030917 Lab Sample ID: 240-76547-1
Matrix: Water Lab File ID: UXM1138.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:11
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW37A-030917 Lab Sample ID: 240-76547-1
Matrix: Water Lab File ID: UXM1138.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:11
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW37B-030917</u>	Lab Sample ID: <u>240-76547-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1139.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:13</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 15:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW37B-030917</u>	Lab Sample ID: <u>240-76547-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1139.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:13</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 15:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.50	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.63	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW37B-030917 Lab Sample ID: 240-76547-2
 Matrix: Water Lab File ID: UXM1139.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:13
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-132
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	101		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW37B-030917 Lab Sample ID: 240-76547-2
Matrix: Water Lab File ID: UXM1139.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:13
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW37B-030917 Lab Sample ID: 240-76547-2
Matrix: Water Lab File ID: UXM1139.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:13
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW37C-030917</u>	Lab Sample ID: <u>240-76547-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1140.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 16:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW37C-030917</u>	Lab Sample ID: <u>240-76547-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1140.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:15</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 16:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.51	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW37C-030917 Lab Sample ID: 240-76547-3
 Matrix: Water Lab File ID: UXM1140.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:15
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		63-132
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	102		73-124
1868-53-7	Dibromofluoromethane (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW37C-030917 Lab Sample ID: 240-76547-3
Matrix: Water Lab File ID: UXM1140.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:15
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:08
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW37C-030917 Lab Sample ID: 240-76547-3
Matrix: Water Lab File ID: UXM1140.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:15
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:08
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-4

Matrix: Water Lab File ID: UXM1141.D

Analysis Method: 8260C Date Collected: 03/09/2017 12:17

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:31

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38D-030917</u>	Lab Sample ID: <u>240-76547-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1141.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:17</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 16:31</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.49	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.64	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-4
 Matrix: Water Lab File ID: UXM1141.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:17
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-132
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	101		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-4
Matrix: Water Lab File ID: UXM1141.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:17
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-4
Matrix: Water Lab File ID: UXM1141.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:17
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38A-030917</u>	Lab Sample ID: <u>240-76547-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1142.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:21</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 16:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	0.30	J	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	0.38	J	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	0.51	J	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38A-030917</u>	Lab Sample ID: <u>240-76547-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1142.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:21</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 16:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	22		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	7.5		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	15		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW38A-030917 Lab Sample ID: 240-76547-5
 Matrix: Water Lab File ID: UXM1142.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:21
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	99		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38A-030917 Lab Sample ID: 240-76547-5
Matrix: Water Lab File ID: UXM1142.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:21
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38A-030917 Lab Sample ID: 240-76547-5
Matrix: Water Lab File ID: UXM1142.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:21
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38B-030917</u>	Lab Sample ID: <u>240-76547-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1143.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 17:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38B-030917</u>	Lab Sample ID: <u>240-76547-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1143.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:25</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 17:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	2.2		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	2.3		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.98		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW38B-030917 Lab Sample ID: 240-76547-6
 Matrix: Water Lab File ID: UXM1143.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:25
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		63-132
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	99		73-124
1868-53-7	Dibromofluoromethane (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38B-030917</u>	Lab Sample ID: <u>240-76547-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1143.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 17:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38B-030917 Lab Sample ID: 240-76547-6
Matrix: Water Lab File ID: UXM1143.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:25
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:17
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38C-030917</u>	Lab Sample ID: <u>240-76547-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1144.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:27</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 17:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38C-030917</u>	Lab Sample ID: <u>240-76547-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1144.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:27</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 17:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	2.2		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.72		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW38C-030917 Lab Sample ID: 240-76547-7
 Matrix: Water Lab File ID: UXM1144.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:27
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		63-132
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	99		73-124
1868-53-7	Dibromofluoromethane (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38C-030917 Lab Sample ID: 240-76547-7
Matrix: Water Lab File ID: UXM1144.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:27
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 1 TIC Result Total: 6.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.08	6.3	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38C-030917 Lab Sample ID: 240-76547-7
Matrix: Water Lab File ID: UXM1144.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:27
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-8

Matrix: Water Lab File ID: UXM1145.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:29

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:04

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW38D-030917</u>	Lab Sample ID: <u>240-76547-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1145.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:29</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 18:04</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.6		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.9		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.68		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-8
 Matrix: Water Lab File ID: UXM1145.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:29
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:04
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		63-132
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	99		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-8
Matrix: Water Lab File ID: UXM1145.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:29
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW38D-030917 Lab Sample ID: 240-76547-8
Matrix: Water Lab File ID: UXM1145.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:29
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39A-030917</u>	Lab Sample ID: <u>240-76547-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1146.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:39</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 18:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39A-030917</u>	Lab Sample ID: <u>240-76547-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1146.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:39</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 18:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW39A-030917 Lab Sample ID: 240-76547-9
 Matrix: Water Lab File ID: UXM1146.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:39
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	98		73-124
1868-53-7	Dibromofluoromethane (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39A-030917</u>	Lab Sample ID: <u>240-76547-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1146.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:39</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 18:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW39A-030917 Lab Sample ID: 240-76547-9
Matrix: Water Lab File ID: UXM1146.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:39
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39B-030917</u>	Lab Sample ID: <u>240-76547-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1147.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:36</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 18:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39B-030917</u>	Lab Sample ID: <u>240-76547-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1147.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:36</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 18:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.33	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW39B-030917 Lab Sample ID: 240-76547-10
 Matrix: Water Lab File ID: UXM1147.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:36
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		63-132
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	102		73-124
1868-53-7	Dibromofluoromethane (Surr)	100		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39B-030917</u>	Lab Sample ID: <u>240-76547-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1147.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:36</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 18:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW39B-030917 Lab Sample ID: 240-76547-10
Matrix: Water Lab File ID: UXM1147.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:36
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW39C-030917 Lab Sample ID: 240-76547-11

Matrix: Water Lab File ID: UXM1148.D

Analysis Method: 8260C Date Collected: 03/09/2017 09:49

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:13

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39C-030917</u>	Lab Sample ID: <u>240-76547-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1148.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:49</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW39C-030917 Lab Sample ID: 240-76547-11
 Matrix: Water Lab File ID: UXM1148.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:49
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		63-132
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	99		73-124
1868-53-7	Dibromofluoromethane (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39C-030917</u>	Lab Sample ID: <u>240-76547-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1148.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:49</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 19:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW39C-030917 Lab Sample ID: 240-76547-11
Matrix: Water Lab File ID: UXM1148.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:49
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:13
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW39D-030917 Lab Sample ID: 240-76547-12

Matrix: Water Lab File ID: UXM1149.D

Analysis Method: 8260C Date Collected: 03/09/2017 09:52

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW39D-030917</u>	Lab Sample ID: <u>240-76547-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1149.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:52</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 19:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW39D-030917 Lab Sample ID: 240-76547-12
 Matrix: Water Lab File ID: UXM1149.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:52
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-132
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	100		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW39D-030917 Lab Sample ID: 240-76547-12
Matrix: Water Lab File ID: UXM1149.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:52
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:36
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW39D-030917 Lab Sample ID: 240-76547-12
Matrix: Water Lab File ID: UXM1149.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:52
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:36
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40A-030917</u>	Lab Sample ID: <u>240-76547-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1150.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:38</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 19:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40A-030917</u>	Lab Sample ID: <u>240-76547-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1150.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:38</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 19:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	2.4		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.9		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	1.3		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW40A-030917 Lab Sample ID: 240-76547-13
 Matrix: Water Lab File ID: UXM1150.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:38
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	101		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40A-030917</u>	Lab Sample ID: <u>240-76547-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1150.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:38</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 19:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40A-030917 Lab Sample ID: 240-76547-13
Matrix: Water Lab File ID: UXM1150.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:38
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:59
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW40B-030917 Lab Sample ID: 240-76547-14

Matrix: Water Lab File ID: UXM1151.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:43

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 20:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40B-030917</u>	Lab Sample ID: <u>240-76547-14</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1151.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:43</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 20:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.87	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.69	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.61		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW40B-030917 Lab Sample ID: 240-76547-14
 Matrix: Water Lab File ID: UXM1151.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:43
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		63-132
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	103		73-124
1868-53-7	Dibromofluoromethane (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40B-030917 Lab Sample ID: 240-76547-14
Matrix: Water Lab File ID: UXM1151.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:43
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40B-030917 Lab Sample ID: 240-76547-14
Matrix: Water Lab File ID: UXM1151.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:43
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW40C-030917 Lab Sample ID: 240-76547-15

Matrix: Water Lab File ID: UXM1152.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:46

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40C-030917</u>	Lab Sample ID: <u>240-76547-15</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1152.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:46</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 20:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.76	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.67	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.53		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW40C-030917 Lab Sample ID: 240-76547-15
 Matrix: Water Lab File ID: UXM1152.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:46
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	96		73-124
1868-53-7	Dibromofluoromethane (Surr)	100		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40C-030917 Lab Sample ID: 240-76547-15
Matrix: Water Lab File ID: UXM1152.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:46
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40C-030917 Lab Sample ID: 240-76547-15
Matrix: Water Lab File ID: UXM1152.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:46
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40D-030917</u>	Lab Sample ID: <u>240-76547-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1153.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:49</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 21:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW40D-030917</u>	Lab Sample ID: <u>240-76547-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1153.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:49</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 21:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	2.4		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.5		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40D-030917 Lab Sample ID: 240-76547-16
Matrix: Water Lab File ID: UXM1153.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:49
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:08
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	102		73-124
1868-53-7	Dibromofluoromethane (Surr)	100		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40D-030917 Lab Sample ID: 240-76547-16
Matrix: Water Lab File ID: UXM1153.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:49
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:08
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW40D-030917 Lab Sample ID: 240-76547-16
Matrix: Water Lab File ID: UXM1153.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:49
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:08
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW41A-030917 Lab Sample ID: 240-76547-17

Matrix: Water Lab File ID: UXM1154.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:48

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:31

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW41A-030917</u>	Lab Sample ID: <u>240-76547-17</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1154.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:48</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 21:31</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	6.5		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	5.0		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	1.2		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW41A-030917 Lab Sample ID: 240-76547-17
 Matrix: Water Lab File ID: UXM1154.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:48
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-132
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	98		73-124
1868-53-7	Dibromofluoromethane (Surr)	95		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41A-030917 Lab Sample ID: 240-76547-17
Matrix: Water Lab File ID: UXM1154.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:48
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41A-030917 Lab Sample ID: 240-76547-17
Matrix: Water Lab File ID: UXM1154.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:48
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW41B-030917 Lab Sample ID: 240-76547-18

Matrix: Water Lab File ID: UXM1155.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:49

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW41B-030917</u>	Lab Sample ID: <u>240-76547-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1155.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:49</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 21:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.72	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.63	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW41B-030917 Lab Sample ID: 240-76547-18
 Matrix: Water Lab File ID: UXM1155.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:49
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		63-132
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	97		73-124
1868-53-7	Dibromofluoromethane (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41B-030917 Lab Sample ID: 240-76547-18
Matrix: Water Lab File ID: UXM1155.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:49
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41B-030917 Lab Sample ID: 240-76547-18
Matrix: Water Lab File ID: UXM1155.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:49
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW41C-030917 Lab Sample ID: 240-76547-19

Matrix: Water Lab File ID: UXR7217.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:04

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW41C-030917</u>	Lab Sample ID: <u>240-76547-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7217.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:04</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 15:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	2.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.4		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW41C-030917 Lab Sample ID: 240-76547-19
 Matrix: Water Lab File ID: UXR7217.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:04
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		63-132
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	91		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41C-030917 Lab Sample ID: 240-76547-19
Matrix: Water Lab File ID: UXR7217.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:04
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:23
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
623-46-1	Ethane, 1,2-dichloro-1-ethoxy-	2.19	1.3	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41C-030917 Lab Sample ID: 240-76547-19
Matrix: Water Lab File ID: UXR7217.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:04
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:23
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW41D-030917 Lab Sample ID: 240-76547-20

Matrix: Water Lab File ID: UXR7218.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:07

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW41D-030917</u>	Lab Sample ID: <u>240-76547-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7218.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:07</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 15:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.9		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.6		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.70		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW41D-030917 Lab Sample ID: 240-76547-20
 Matrix: Water Lab File ID: UXR7218.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:07
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41D-030917 Lab Sample ID: 240-76547-20
Matrix: Water Lab File ID: UXR7218.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:07
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW41D-030917 Lab Sample ID: 240-76547-20
Matrix: Water Lab File ID: UXR7218.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:07
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 15:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW42A-030917 Lab Sample ID: 240-76547-21

Matrix: Water Lab File ID: UXR7219.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:54

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 16:07

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42A-030917</u>	Lab Sample ID: <u>240-76547-21</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7219.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:54</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 16:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.3		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.67	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	1.2		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW42A-030917 Lab Sample ID: 240-76547-21
 Matrix: Water Lab File ID: UXR7219.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:54
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	88		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42A-030917</u>	Lab Sample ID: <u>240-76547-21</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7219.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:54</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 16:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>1.2</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
3268-49-3	Propanal, 3-(methylthio)-	2.18	1.2	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW42A-030917 Lab Sample ID: 240-76547-21
Matrix: Water Lab File ID: UXR7219.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:54
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:07
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW42B-030917 Lab Sample ID: 240-76547-22

Matrix: Water Lab File ID: UXR7220.D

Analysis Method: 8260C Date Collected: 03/09/2017 12:02

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42B-030917</u>	Lab Sample ID: <u>240-76547-22</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7220.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:02</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 16:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.75	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.63	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.51		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW42B-030917 Lab Sample ID: 240-76547-22
 Matrix: Water Lab File ID: UXR7220.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:02
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	88		73-124
1868-53-7	Dibromofluoromethane (Surr)	89		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW42B-030917 Lab Sample ID: 240-76547-22
Matrix: Water Lab File ID: UXR7220.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:02
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:29
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
53834-54-1	6-Oxabicyclo[3.1.0]hexane-3-carbonitrile	2.19	1.3	T J N	10%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW42B-030917 Lab Sample ID: 240-76547-22
Matrix: Water Lab File ID: UXR7220.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:02
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:29
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW42C-030917 Lab Sample ID: 240-76547-23

Matrix: Water Lab File ID: UXR7221.D

Analysis Method: 8260C Date Collected: 03/09/2017 12:04

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 16:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42C-030917</u>	Lab Sample ID: <u>240-76547-23</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7221.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:04</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 16:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.52	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.67	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW42C-030917 Lab Sample ID: 240-76547-23
 Matrix: Water Lab File ID: UXR7221.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:04
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		63-132
460-00-4	4-Bromofluorobenzene (Surr)	84		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42C-030917</u>	Lab Sample ID: <u>240-76547-23</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7221.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:04</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 16:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW42C-030917 Lab Sample ID: 240-76547-23
Matrix: Water Lab File ID: UXR7221.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:04
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 16:51
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42D-030917</u>	Lab Sample ID: <u>240-76547-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7222.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:06</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 17:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42D-030917</u>	Lab Sample ID: <u>240-76547-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7222.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:06</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 17:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.48	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.60	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW42D-030917 Lab Sample ID: 240-76547-24
 Matrix: Water Lab File ID: UXR7222.D
 Analysis Method: 8260C Date Collected: 03/09/2017 12:06
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	89		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW42D-030917</u>	Lab Sample ID: <u>240-76547-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7222.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:06</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 17:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>1.3</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
107-07-3	2-Chloroethanol	2.19	1.3	T J N	25%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW42D-030917 Lab Sample ID: 240-76547-24
Matrix: Water Lab File ID: UXR7222.D
Analysis Method: 8260C Date Collected: 03/09/2017 12:06
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:13
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW43A-030917 Lab Sample ID: 240-76547-25

Matrix: Water Lab File ID: UXR7223.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:30

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 17:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW43A-030917</u>	Lab Sample ID: <u>240-76547-25</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7223.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:30</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 17:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.87	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW43A-030917 Lab Sample ID: 240-76547-25
 Matrix: Water Lab File ID: UXR7223.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:30
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	89		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43A-030917 Lab Sample ID: 240-76547-25
Matrix: Water Lab File ID: UXR7223.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:30
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:36
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 2.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
56-18-8	3,3'-Iminobispropylamine	2.19	2.3	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43A-030917 Lab Sample ID: 240-76547-25
Matrix: Water Lab File ID: UXR7223.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:30
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:36
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW43B-030917</u>	Lab Sample ID: <u>240-76547-26</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7224.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:32</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 17:58</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW43B-030917</u>	Lab Sample ID: <u>240-76547-26</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7224.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:32</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 17:58</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.91	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.72	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW43B-030917 Lab Sample ID: 240-76547-26
 Matrix: Water Lab File ID: UXR7224.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:32
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43B-030917 Lab Sample ID: 240-76547-26
Matrix: Water Lab File ID: UXR7224.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:32
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:58
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43B-030917 Lab Sample ID: 240-76547-26
Matrix: Water Lab File ID: UXR7224.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:32
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 17:58
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW43C-030917 Lab Sample ID: 240-76547-27

Matrix: Water Lab File ID: UXR7225.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:35

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 18:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW43C-030917</u>	Lab Sample ID: <u>240-76547-27</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7225.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 18:20</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.86	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW43C-030917 Lab Sample ID: 240-76547-27
 Matrix: Water Lab File ID: UXR7225.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:35
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	88		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43C-030917 Lab Sample ID: 240-76547-27
Matrix: Water Lab File ID: UXR7225.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:35
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
1000143-22-9	2-Pentenedinitrile	2.19	1.4	T J N	10%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43C-030917 Lab Sample ID: 240-76547-27
Matrix: Water Lab File ID: UXR7225.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:35
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW43D-030917 Lab Sample ID: 240-76547-28

Matrix: Water Lab File ID: UXR7226.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:42

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:42

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW43D-030917</u>	Lab Sample ID: <u>240-76547-28</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7226.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:42</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 18:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.82	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW43D-030917 Lab Sample ID: 240-76547-28
 Matrix: Water Lab File ID: UXR7226.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:42
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:42
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	91		73-124
1868-53-7	Dibromofluoromethane (Surr)	88		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43D-030917 Lab Sample ID: 240-76547-28
Matrix: Water Lab File ID: UXR7226.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:42
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:42
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
13205-57-7	1-Methyldodecylamine	2.19	2.0	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW43D-030917 Lab Sample ID: 240-76547-28
Matrix: Water Lab File ID: UXR7226.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:42
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 18:42
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW44A-030917 Lab Sample ID: 240-76547-29

Matrix: Water Lab File ID: UXR7227.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:15

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:04

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW44A-030917</u>	Lab Sample ID: <u>240-76547-29</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7227.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 19:04</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.51	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.45	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44A-030917 Lab Sample ID: 240-76547-29
Matrix: Water Lab File ID: UXR7227.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:15
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	88		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44A-030917 Lab Sample ID: 240-76547-29
Matrix: Water Lab File ID: UXR7227.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:15
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 2.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
35161-70-7	n-Hexylmethylanine	2.19	2.1	T J N	42%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44A-030917 Lab Sample ID: 240-76547-29
Matrix: Water Lab File ID: UXR7227.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:15
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW44B-030917 Lab Sample ID: 240-76547-30

Matrix: Water Lab File ID: UXR7228.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:20

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 19:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW44B-030917</u>	Lab Sample ID: <u>240-76547-30</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7228.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:20</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 19:26</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.64	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.68	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW44B-030917 Lab Sample ID: 240-76547-30
 Matrix: Water Lab File ID: UXR7228.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:20
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44B-030917 Lab Sample ID: 240-76547-30
Matrix: Water Lab File ID: UXR7228.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:20
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:26
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44B-030917 Lab Sample ID: 240-76547-30
Matrix: Water Lab File ID: UXR7228.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:20
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:26
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW44C-030917</u>	Lab Sample ID: <u>240-76547-31</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7229.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:22</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 19:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW44C-030917</u>	Lab Sample ID: <u>240-76547-31</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7229.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:22</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 19:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.62	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.63	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW44C-030917 Lab Sample ID: 240-76547-31
 Matrix: Water Lab File ID: UXR7229.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:22
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44C-030917 Lab Sample ID: 240-76547-31
Matrix: Water Lab File ID: UXR7229.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:22
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:49
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44C-030917 Lab Sample ID: 240-76547-31
Matrix: Water Lab File ID: UXR7229.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:22
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 19:49
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW44D-030917 Lab Sample ID: 240-76547-32

Matrix: Water Lab File ID: UXR7230.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:25

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW44D-030917</u>	Lab Sample ID: <u>240-76547-32</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7230.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:25</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 20:11</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.64	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.65	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW44D-030917 Lab Sample ID: 240-76547-32
 Matrix: Water Lab File ID: UXR7230.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:25
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44D-030917 Lab Sample ID: 240-76547-32
Matrix: Water Lab File ID: UXR7230.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:25
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:11
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 2.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
1000214-25-3	4-Amino-1-pentanol	2.19	2.1	T J N	38%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW44D-030917 Lab Sample ID: 240-76547-32
Matrix: Water Lab File ID: UXR7230.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:25
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:11
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45A-030917</u>	Lab Sample ID: <u>240-76547-33</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7231.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:59</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 20:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45A-030917</u>	Lab Sample ID: <u>240-76547-33</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7231.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:59</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 20:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.51	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.42	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW45A-030917 Lab Sample ID: 240-76547-33
 Matrix: Water Lab File ID: UXR7231.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:59
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
2037-26-5	Toluene-d8 (Surr)	88		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45A-030917 Lab Sample ID: 240-76547-33
Matrix: Water Lab File ID: UXR7231.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:59
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:34
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45A-030917 Lab Sample ID: 240-76547-33
Matrix: Water Lab File ID: UXR7231.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:59
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:34
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW45B-030917 Lab Sample ID: 240-76547-34

Matrix: Water Lab File ID: UXR7232.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:01

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:56

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45B-030917</u>	Lab Sample ID: <u>240-76547-34</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7232.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:01</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 20:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.42	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.38	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW45B-030917 Lab Sample ID: 240-76547-34
 Matrix: Water Lab File ID: UXR7232.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:01
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	84		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45B-030917 Lab Sample ID: 240-76547-34
Matrix: Water Lab File ID: UXR7232.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:01
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45B-030917 Lab Sample ID: 240-76547-34
Matrix: Water Lab File ID: UXR7232.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:01
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 20:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45C-030917</u>	Lab Sample ID: <u>240-76547-35</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7233.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 21:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45C-030917</u>	Lab Sample ID: <u>240-76547-35</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7233.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:05</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 21:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.47	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.47	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW45C-030917 Lab Sample ID: 240-76547-35
 Matrix: Water Lab File ID: UXR7233.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:05
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	89		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45C-030917 Lab Sample ID: 240-76547-35
Matrix: Water Lab File ID: UXR7233.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:05
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:18
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45C-030917 Lab Sample ID: 240-76547-35
Matrix: Water Lab File ID: UXR7233.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:05
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:18
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45D-030917</u>	Lab Sample ID: <u>240-76547-36</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7234.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:07</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/13/2017 21:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW45D-030917</u>	Lab Sample ID: <u>240-76547-36</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7234.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:07</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 21:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.48	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.49	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW45D-030917 Lab Sample ID: 240-76547-36
 Matrix: Water Lab File ID: UXR7234.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:07
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45D-030917 Lab Sample ID: 240-76547-36
Matrix: Water Lab File ID: UXR7234.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:07
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:40
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW45D-030917 Lab Sample ID: 240-76547-36
Matrix: Water Lab File ID: UXR7234.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:07
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 21:40
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW46A-030917 Lab Sample ID: 240-76547-37

Matrix: Water Lab File ID: UXR7235.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:51

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW46A-030917</u>	Lab Sample ID: <u>240-76547-37</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7235.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:51</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 22:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.99	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.60	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.95		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW46A-030917 Lab Sample ID: 240-76547-37
 Matrix: Water Lab File ID: UXR7235.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:51
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW46A-030917 Lab Sample ID: 240-76547-37
Matrix: Water Lab File ID: UXR7235.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:51
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW46A-030917 Lab Sample ID: 240-76547-37
Matrix: Water Lab File ID: UXR7235.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:51
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW47A-030917 Lab Sample ID: 240-76547-38

Matrix: Water Lab File ID: UXR7236.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:33

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW47A-030917</u>	Lab Sample ID: <u>240-76547-38</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7236.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:33</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 22:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270367</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	8.4		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	3.4		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	6.7		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW47A-030917 Lab Sample ID: 240-76547-38
 Matrix: Water Lab File ID: UXR7236.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:33
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW47A-030917 Lab Sample ID: 240-76547-38
Matrix: Water Lab File ID: UXR7236.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:33
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
107-07-3	2-Chloroethanol	2.18	1.1	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW47A-030917 Lab Sample ID: 240-76547-38
Matrix: Water Lab File ID: UXR7236.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:33
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 22:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW48A-030917 Lab Sample ID: 240-76547-39

Matrix: Water Lab File ID: UXR7243.D

Analysis Method: 8260C Date Collected: 03/09/2017 11:13

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2017 14:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	0.39	J	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW48A-030917</u>	Lab Sample ID: <u>240-76547-39</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7243.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:13</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2017 14:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	13		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	0.29	J	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	1.5	J	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	0.35	J	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	9.7		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	3.8		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	1.9	J	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW48A-030917 Lab Sample ID: 240-76547-39
 Matrix: Water Lab File ID: UXR7243.D
 Analysis Method: 8260C Date Collected: 03/09/2017 11:13
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 14:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-132
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW48A-030917</u>	Lab Sample ID: <u>240-76547-39</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7243.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 11:13</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2017 14:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW48A-030917 Lab Sample ID: 240-76547-39
Matrix: Water Lab File ID: UXR7243.D
Analysis Method: 8260C Date Collected: 03/09/2017 11:13
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 14:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: MSA-SW49A-030917 Lab Sample ID: 240-76547-40

Matrix: Water Lab File ID: UXR7244.D

Analysis Method: 8260C Date Collected: 03/09/2017 10:45

Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 14:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW49A-030917</u>	Lab Sample ID: <u>240-76547-40</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7244.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 10:45</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 14:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	13		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	7.9		1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	1.3		0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: MSA-SW49A-030917 Lab Sample ID: 240-76547-40
 Matrix: Water Lab File ID: UXR7244.D
 Analysis Method: 8260C Date Collected: 03/09/2017 10:45
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 14:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	85		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW49A-030917 Lab Sample ID: 240-76547-40
Matrix: Water Lab File ID: UXR7244.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:45
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 14:51
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
51-64-9	Dextroamphetamine	2.19	1.2	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: MSA-SW49A-030917 Lab Sample ID: 240-76547-40
Matrix: Water Lab File ID: UXR7244.D
Analysis Method: 8260C Date Collected: 03/09/2017 10:45
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 14:51
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: EL-SW01A-030917 Lab Sample ID: 240-76547-41

Matrix: Water Lab File ID: UXR7245.D

Analysis Method: 8260C Date Collected: 03/09/2017 09:11

Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:13

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01A-030917</u>	Lab Sample ID: <u>240-76547-41</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7245.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:11</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 15:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.32	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.40	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: EL-SW01A-030917 Lab Sample ID: 240-76547-41
 Matrix: Water Lab File ID: UXR7245.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:11
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		63-132
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	91		73-124
1868-53-7	Dibromofluoromethane (Surr)	88		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01A-030917 Lab Sample ID: 240-76547-41
Matrix: Water Lab File ID: UXR7245.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:11
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:13
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
36393-56-3	Benzenemethanol, .alpha.-(1-aminoethyl) -, (R*,R*)-	2.18	1.2	T J N	28%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01A-030917 Lab Sample ID: 240-76547-41
Matrix: Water Lab File ID: UXR7245.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:11
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:13
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01B-030917</u>	Lab Sample ID: <u>240-76547-42</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7246.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:23</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2017 15:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01B-030917</u>	Lab Sample ID: <u>240-76547-42</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7246.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:23</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 15:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.42	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.50	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: EL-SW01B-030917 Lab Sample ID: 240-76547-42
 Matrix: Water Lab File ID: UXR7246.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:23
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01B-030917 Lab Sample ID: 240-76547-42
Matrix: Water Lab File ID: UXR7246.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:23
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:35
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01B-030917 Lab Sample ID: 240-76547-42
Matrix: Water Lab File ID: UXR7246.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:23
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:35
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01C-030917</u>	Lab Sample ID: <u>240-76547-43</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7247.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:27</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2017 15:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01C-030917</u>	Lab Sample ID: <u>240-76547-43</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7247.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:27</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 15:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.43	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.49	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: EL-SW01C-030917 Lab Sample ID: 240-76547-43
 Matrix: Water Lab File ID: UXR7247.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:27
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01C-030917 Lab Sample ID: 240-76547-43
Matrix: Water Lab File ID: UXR7247.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:27
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
49872-60-8	4-Fluorohistamine	2.18	1.2	T J N	9%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01C-030917 Lab Sample ID: 240-76547-43
Matrix: Water Lab File ID: UXR7247.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:27
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 15:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01D-030917</u>	Lab Sample ID: <u>240-76547-44</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7248.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:31</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2017 16:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	10	U	10	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>EL-SW01D-030917</u>	Lab Sample ID: <u>240-76547-44</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7248.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 09:31</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 16:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.47	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.53	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: EL-SW01D-030917 Lab Sample ID: 240-76547-44
 Matrix: Water Lab File ID: UXR7248.D
 Analysis Method: 8260C Date Collected: 03/09/2017 09:31
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 16:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	87		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01D-030917 Lab Sample ID: 240-76547-44
Matrix: Water Lab File ID: UXR7248.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:31
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 16:19
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L
Number TICs Found: 1 TIC Result Total: 1.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
107-07-3	2-Chloroethanol	2.18	1.5	T J N	53%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: EL-SW01D-030917 Lab Sample ID: 240-76547-44
Matrix: Water Lab File ID: UXR7248.D
Analysis Method: 8260C Date Collected: 03/09/2017 09:31
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 16:19
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-030917</u>	Lab Sample ID: <u>240-76547-45</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7249.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 00:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 16:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-030917</u>	Lab Sample ID: <u>240-76547-45</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7249.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 00:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/14/2017 16:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U *	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: TB-030917 Lab Sample ID: 240-76547-45
 Matrix: Water Lab File ID: UXR7249.D
 Analysis Method: 8260C Date Collected: 03/09/2017 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 16:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	91		73-124
1868-53-7	Dibromofluoromethane (Surr)	89		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-030917</u>	Lab Sample ID: <u>240-76547-45</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXR7249.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2017 16:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270478</u>	Units: <u>ug/L</u>
Number TICs Found: <u>1</u>	TIC Result Total: <u>1.4</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
37577-28-9	(1S,2R)-(+)-Norephedrine	2.18	1.4	T J N	38%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: TB-030917 Lab Sample ID: 240-76547-45
Matrix: Water Lab File ID: UXR7249.D
Analysis Method: 8260C Date Collected: 03/09/2017 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 16:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW37A-030917

Lab Sample ID: 240-76547-1

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:11

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.4	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.8	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.33	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.63	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	3.0	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.52	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.7	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.3	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.60	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	2.6	10	0.89	ug/L	J		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW37A-030917

Lab Sample ID: 240-76547-1

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:11

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	720	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	570	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW37B-030917

Lab Sample ID: 240-76547-2

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:13

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.9	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	2.1	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.53	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.69	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	3.1	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.68	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.8	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.5	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	1.0	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	1.2	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	3.5	10	0.89	ug/L	J		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW37B-030917

Lab Sample ID: 240-76547-2

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:13

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW37C-030917

Lab Sample ID: 240-76547-3

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:15

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.83	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.8	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.46	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.9	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.43	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.3	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.3	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.90	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.62	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW37C-030917

Lab Sample ID: 240-76547-3

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:15

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	720	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38D-030917

Lab Sample ID: 240-76547-4

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:17

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.34	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.7	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.46	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.4	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.35	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.1	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.3	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.71	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38D-030917

Lab Sample ID: 240-76547-4

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:17

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	670	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	140	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	530	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38A-030917

Lab Sample ID: 240-76547-5

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:21

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.36	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	27	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	0.52	1.0	0.31	ug/L	J		1	6020
7440-47-3	Chromium	0.35	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	2.0	1.0	0.13	ug/L			1	6020
7440-50-8	Copper	2.7	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.35	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.3	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.9	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.86	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38A-030917

Lab Sample ID: 240-76547-5

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:21

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	730	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	160	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	570	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38B-030917

Lab Sample ID: 240-76547-6

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:25

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.5	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.30	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.55	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.6	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.29	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.0	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.3	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38B-030917

Lab Sample ID: 240-76547-6

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:25

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38C-030917

Lab Sample ID: 240-76547-7

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:27

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.8	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	27	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.65	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.54	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.6	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.29	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.2	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.5	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.69	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.55	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38C-030917

Lab Sample ID: 240-76547-7

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:27

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	720	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	570	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38D-030917

Lab Sample ID: 240-76547-8

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:29

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.9	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.48	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.7	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.32	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.2	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.4	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.71	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW38D-030917

Lab Sample ID: 240-76547-8

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:29

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	730	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	160	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	580	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39A-030917

Lab Sample ID: 240-76547-9

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:39

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.7	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.29	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.1	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.27	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.1	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.2	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.88	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.55	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39A-030917

Lab Sample ID: 240-76547-9

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:39

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	680	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	540	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39B-030917

Lab Sample ID: 240-76547-10

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:36

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.7	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	27	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.26	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.34	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.4	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.24	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.1	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.2	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.57	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.55	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	18	20	6.2	ug/L	J		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39B-030917

Lab Sample ID: 240-76547-10

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:36

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	710	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39C-030917

Lab Sample ID: 240-76547-11

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:49

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.9	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.26	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	1.6	2.0	0.36	ug/L	J		1	6020
7439-92-1	Lead	0.20	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	0.99	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.2	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.54	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39C-030917

Lab Sample ID: 240-76547-11

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:49

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39D-030917

Lab Sample ID: 240-76547-12

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:52

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.7	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.32	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.5	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.23	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	0.95	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW39D-030917

Lab Sample ID: 240-76547-12

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:52

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	690	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	540	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40A-030917

Lab Sample ID: 240-76547-13

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:38

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.7	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.49	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	3.0	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.25	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.2	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.48	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.54	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40A-030917

Lab Sample ID: 240-76547-13

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:38

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	710	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40B-030917

Lab Sample ID: 240-76547-14

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:43

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.8	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.44	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.8	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.23	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.2	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.4	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.62	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40B-030917

Lab Sample ID: 240-76547-14

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:43

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40C-030917

Lab Sample ID: 240-76547-15

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:46

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.7	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	26	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.45	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.6	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.32	1.0	0.16	ug/L	J	B	1	6020
7439-98-7	Molybdenum	1.1	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.3	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40C-030917

Lab Sample ID: 240-76547-15

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:46

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	710	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40D-030917

Lab Sample ID: 240-76547-16

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:49

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.60	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.85	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.40	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	1.7	2.0	0.36	ug/L	J		1	6020
7439-92-1	Lead	0.35	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.1	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.75	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW40D-030917

Lab Sample ID: 240-76547-16

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:49

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41A-030917

Lab Sample ID: 240-76547-17

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:48

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.5	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.82	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.34	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.7	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.2	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	1.1	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	2.9	10	0.89	ug/L	J		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41A-030917

Lab Sample ID: 240-76547-17

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:48

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	680	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	530	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41B-030917

Lab Sample ID: 240-76547-18

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:49

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.37	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.0	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.59	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.1	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.26	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.2	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.54	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41B-030917

Lab Sample ID: 240-76547-18

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:49

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	690	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	540	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41C-030917

Lab Sample ID: 240-76547-19

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:04

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.35	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.49	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.1	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.25	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.69	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41C-030917

Lab Sample ID: 240-76547-19

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:04

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41D-030917

Lab Sample ID: 240-76547-20

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:07

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.35	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.44	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.1	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.25	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.8	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	0.92	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.68	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41D-030917

Lab Sample ID: 240-76547-20

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:07

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	680	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	540	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42A-030917

Lab Sample ID: 240-76547-21

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:54

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.38	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.45	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.6	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.26	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.60	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42A-030917

Lab Sample ID: 240-76547-21

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 11:54

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42B-030917

Lab Sample ID: 240-76547-22

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:02

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.29	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.42	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.5	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.24	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.68	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.57	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42B-030917

Lab Sample ID: 240-76547-22

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:02

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42C-030917

Lab Sample ID: 240-76547-23

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:04

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.32	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.43	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.6	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.23	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.87	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42C-030917

Lab Sample ID: 240-76547-23

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:04

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42D-030917

Lab Sample ID: 240-76547-24

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:06

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.35	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.36	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.5	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.21	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.69	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW42D-030917

Lab Sample ID: 240-76547-24

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 12:06

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	710	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43A-030917

Lab Sample ID: 240-76547-25

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:30

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.0	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	1.1	1.0	0.13	ug/L			1	6020
7440-50-8	Copper	2.3	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.20	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.7	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43A-030917

Lab Sample ID: 240-76547-25

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:30

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43B-030917

Lab Sample ID: 240-76547-26

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:32

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.46	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.4	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.18	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.69	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43B-030917

Lab Sample ID: 240-76547-26

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:32

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43C-030917

Lab Sample ID: 240-76547-27

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:35

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.40	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.43	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.25	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43C-030917

Lab Sample ID: 240-76547-27

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:35

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	690	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	540	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43D-030917

Lab Sample ID: 240-76547-28

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:42

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.27	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.1	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.42	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.0	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.18	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	0.98	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.71	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.57	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW43D-030917

Lab Sample ID: 240-76547-28

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:42

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44A-030917

Lab Sample ID: 240-76547-29

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:15

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.28	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	23	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.43	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.20	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44A-030917

Lab Sample ID: 240-76547-29

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:15

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44B-030917

Lab Sample ID: 240-76547-30

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:20

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.1	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.33	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.1	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.48	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.7	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44B-030917

Lab Sample ID: 240-76547-30

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:20

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	710	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44C-030917

Lab Sample ID: 240-76547-31

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:22

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	23	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	0.28	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.32	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.18	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44C-030917

Lab Sample ID: 240-76547-31

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:22

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	690	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44D-030917

Lab Sample ID: 240-76547-32

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:25

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.35	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.4	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.17	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.9	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	0.57	5.0	0.54	ug/L	J		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW44D-030917

Lab Sample ID: 240-76547-32

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:25

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	750	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	160	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	590	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45A-030917

Lab Sample ID: 240-76547-33

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:59

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	25	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.41	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.18	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.0	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.1	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45A-030917

Lab Sample ID: 240-76547-33

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 09:59

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	730	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	570	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45B-030917

Lab Sample ID: 240-76547-34

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:01

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.2	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.29	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	16	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.19	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.7	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	0.75	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45B-030917

Lab Sample ID: 240-76547-34

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:01

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	550	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45C-030917

Lab Sample ID: 240-76547-35

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:05

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	0.31	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.1	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	23	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.33	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	16	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.17	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.8	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	0.97	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45C-030917

Lab Sample ID: 240-76547-35

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:05

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	680	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	140	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	540	21		mg/L			1	SM 2340B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45D-030917

Lab Sample ID: 240-76547-36

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:07

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	2.0	2.0	0.27	ug/L	U		1	6020
7440-38-2	Arsenic	1.4	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L		B	1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	1.4	2.0	0.26	ug/L	J		1	6020
7440-48-4	Cobalt	0.33	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L		B	1	6020
7439-92-1	Lead	0.25	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	1.1	10	0.51	ug/L	J		1	6020
7440-02-0	Nickel	1.0	2.0	0.28	ug/L	J	B	1	6020
7782-49-2	Selenium	5.0	5.0	0.48	ug/L	U		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	10	10	0.89	ug/L	U		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW45D-030917

Lab Sample ID: 240-76547-36

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:07

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Hardness as calcium carbonate	700	33		mg/L			1	SM 2340B
	Calcium hardness as calcium carbonate	150	12		mg/L			1	SM 2340B
	Magnesium hardness as calcium carbonate	560	21		mg/L			1	SM 2340B

ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107001**

Date Collected: 3/9/2017 12:11

Matrix: Water

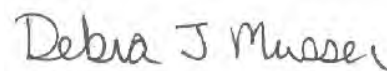
Sample ID: **MSA-SW37A-030917**

Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 01:50	MBW	A



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ANALYTICAL RESULTS

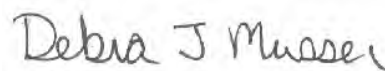
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107002** Date Collected: 3/9/2017 12:13 Matrix: Water
Sample ID: **MSA-SW37B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium ND ug/L 0.25 0.047 EPA 218.6 3/10/17 01:57 MBW A



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ANALYTICAL RESULTS

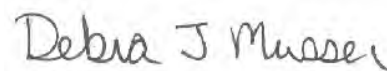
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107003** Date Collected: 3/9/2017 12:15 Matrix: Water
Sample ID: **MSA-SW37C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:05	MBW	A



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ANALYTICAL RESULTS

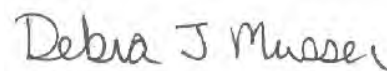
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107004** Date Collected: 3/9/2017 12:17 Matrix: Water
Sample ID: **MSA-SW37D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:13	MBW	A



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ANALYTICAL RESULTS

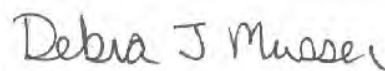
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107005** Date Collected: 3/9/2017 11:21 Matrix: Water
Sample ID: **MSA-SW38A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:21	MBW	A



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ANALYTICAL RESULTS

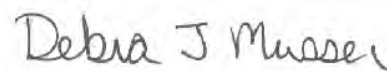
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107006** Date Collected: 3/9/2017 11:25 Matrix: Water
Sample ID: **MSA-SW38B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:29	MBW	A



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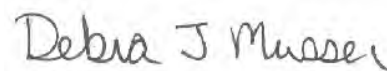
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107007** Date Collected: 3/9/2017 11:27 Matrix: Water
Sample ID: **MSA-SW38C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:37	MBW	A



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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107008**

Date Collected: 3/9/2017 11:29

Matrix: Water

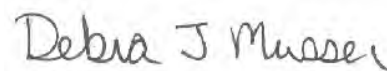
Sample ID: **MSA-SW38D-030917**

Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:45	MBW	A



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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107009**

Date Collected: 3/9/2017 09:39

Matrix: Water

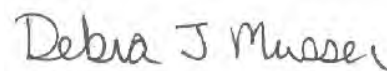
Sample ID: **MSA-SW39A-030917**

Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 02:53	MBW	A



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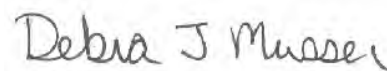
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107010** Date Collected: 3/9/2017 09:36 Matrix: Water
Sample ID: **MSA-SW39B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 03:08	MBW	A



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ANALYTICAL RESULTS

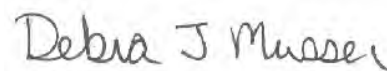
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107011** Date Collected: 3/9/2017 09:49 Matrix: Water
Sample ID: **MSA-SW39C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 03:48	MBW	A



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ANALYTICAL RESULTS

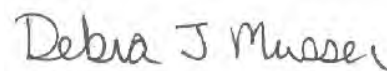
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107012** Date Collected: 3/9/2017 09:52 Matrix: Water
Sample ID: **MSA-SW39D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 03:56	MBW	A



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ANALYTICAL RESULTS

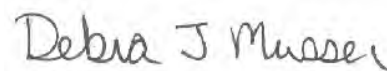
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107013** Date Collected: 3/9/2017 11:38 Matrix: Water
Sample ID: **MSA-SW40A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 04:04	MBW	A



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ANALYTICAL RESULTS

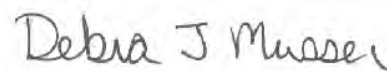
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107014** Date Collected: 3/9/2017 11:43 Matrix: Water
Sample ID: **MSA-SW40B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 04:12	MBW	A



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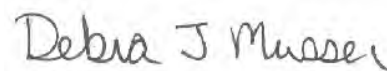
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107015** Date Collected: 3/9/2017 11:46 Matrix: Water
Sample ID: **MSA-SW40C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 04:19	MBW	A



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ANALYTICAL RESULTS

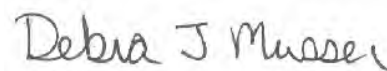
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107016** Date Collected: 3/9/2017 11:49 Matrix: Water
Sample ID: **MSA-SW40D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 04:27	MBW	A



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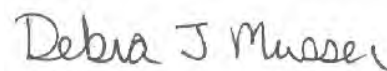
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107017** Date Collected: 3/9/2017 10:48 Matrix: Water
Sample ID: **MSA-SW41A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 04:35	MBW	A



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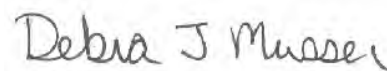
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107018** Date Collected: 3/9/2017 10:49 Matrix: Water
Sample ID: **MSA-SW41B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 04:43	MBW	A



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ANALYTICAL RESULTS

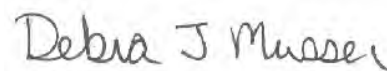
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107019** Date Collected: 3/9/2017 11:04 Matrix: Water
Sample ID: **MSA-SW41C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium ND ug/L 0.25 0.047 EPA 218.6 3/10/17 04:51 MBW A



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ANALYTICAL RESULTS

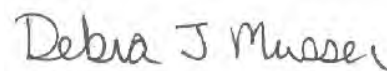
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107020** Date Collected: 3/9/2017 11:07 Matrix: Water
Sample ID: **MSA-SW41D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 05:07	MBW	A



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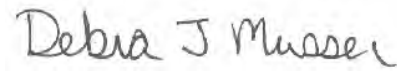
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107021** Date Collected: 3/9/2017 11:54 Matrix: Water
Sample ID: **MSA-SW42A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:02	MBW	A



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ANALYTICAL RESULTS

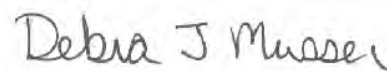
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107022** Date Collected: 3/9/2017 12:02 Matrix: Water
Sample ID: **MSA-SW42B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:10	MBW	A



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**ANALYTICAL RESULTS**

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107023**
Sample ID: **MSA-SW42C-030917**Date Collected: 3/9/2017 12:04 Matrix: Water
Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:18	MBW	A

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ANALYTICAL RESULTS

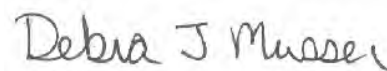
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107024** Date Collected: 3/9/2017 12:06 Matrix: Water
Sample ID: **MSA-SW42D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:26	MBW	A



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ANALYTICAL RESULTS

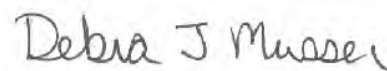
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107025** Date Collected: 3/9/2017 10:30 Matrix: Water
Sample ID: **MSA-SW43A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:34	MBW	A



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ANALYTICAL RESULTS

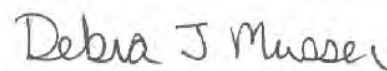
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107026** Date Collected: 3/9/2017 10:32 Matrix: Water
Sample ID: **MSA-SW43B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:42	MBW	A



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ANALYTICAL RESULTS

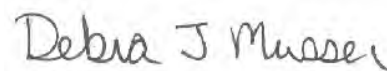
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107027** Date Collected: 3/9/2017 10:35 Matrix: Water
Sample ID: **MSA-SW43C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 06:49	MBW	A



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ANALYTICAL RESULTS

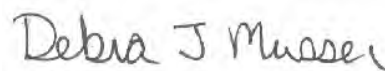
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107028** Date Collected: 3/9/2017 10:42 Matrix: Water
Sample ID: **MSA-SW43D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium ND ug/L 0.25 0.047 EPA 218.6 3/10/17 06:57 MBW A



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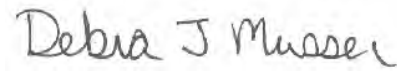
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107029** Date Collected: 3/9/2017 10:15 Matrix: Water
Sample ID: **MSA-SW44A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 07:05	MBW	A



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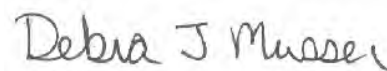
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107030** Date Collected: 3/9/2017 10:20 Matrix: Water
Sample ID: **MSA-SW44B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 07:21	MBW	A



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ANALYTICAL RESULTS

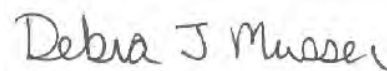
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107031** Date Collected: 3/9/2017 10:22 Matrix: Water
Sample ID: **MSA-SW44C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 08:00	MBW	A



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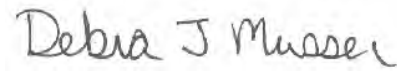
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107032** Date Collected: 3/9/2017 10:25 Matrix: Water
Sample ID: **MSA-SW44D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 08:08	MBW	A



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ANALYTICAL RESULTS

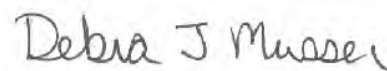
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107033** Date Collected: 3/9/2017 09:59 Matrix: Water
Sample ID: **MSA-SW45A-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 08:16	MBW	A



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ANALYTICAL RESULTS

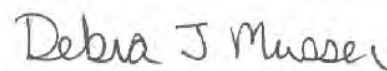
Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107034** Date Collected: 3/9/2017 10:01 Matrix: Water
Sample ID: **MSA-SW45B-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr

WET CHEMISTRY

Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 08:24	MBW	A



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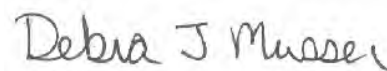
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107035** Date Collected: 3/9/2017 10:05 Matrix: Water
Sample ID: **MSA-SW45C-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 08:32	MBW	A



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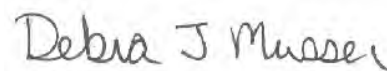
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ANALYTICAL RESULTS

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID: **2214107036** Date Collected: 3/9/2017 10:07 Matrix: Water
Sample ID: **MSA-SW45D-030917** Date Received: 3/9/2017 20:45

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Hexavalent Chromium	ND		ug/L	0.25	0.047	EPA 218.6		3/10/17 08:48	MBW	A



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Appendix C

Support Documentation

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MSA Surface Water

Report Number: 240-76547-1

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 some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 3/10/2017 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.9° C and 3.1° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MSA-SW37A-030917 (240-76547-1), MSA-SW37B-030917 (240-76547-2), MSA-SW37C-030917 (240-76547-3), MSA-SW38D-030917 (240-76547-4), MSA-SW38A-030917 (240-76547-5), MSA-SW38B-030917 (240-76547-6), MSA-SW38C-030917 (240-76547-7), MSA-SW38D-030917 (240-76547-8), MSA-SW39A-030917 (240-76547-9), MSA-SW39B-030917 (240-76547-10), MSA-SW39C-030917 (240-76547-11), MSA-SW39D-030917 (240-76547-12), MSA-SW40A-030917 (240-76547-13), MSA-SW40B-030917 (240-76547-14), MSA-SW40C-030917 (240-76547-15), MSA-SW40D-030917 (240-76547-16), MSA-SW41A-030917 (240-76547-17), MSA-SW41B-030917 (240-76547-18), MSA-SW41C-030917 (240-76547-19), MSA-SW41D-030917 (240-76547-20), MSA-SW42A-030917 (240-76547-21), MSA-SW42B-030917 (240-76547-22), MSA-SW42C-030917 (240-76547-23), MSA-SW42D-030917 (240-76547-24), MSA-SW43A-030917 (240-76547-25), MSA-SW43B-030917 (240-76547-26), MSA-SW43C-030917 (240-76547-27), MSA-SW43D-030917 (240-76547-28), MSA-SW44A-030917 (240-76547-29), MSA-SW44B-030917 (240-76547-30), MSA-SW44C-030917 (240-76547-31), MSA-SW44D-030917 (240-76547-32), MSA-SW45A-030917 (240-76547-33), MSA-SW45B-030917 (240-76547-34), MSA-SW45C-030917 (240-76547-35), MSA-SW45D-030917 (240-76547-36), MSA-SW46A-030917 (240-76547-37), MSA-SW47A-030917 (240-76547-38), MSA-SW48A-030917 (240-76547-39), MSA-SW49A-030917 (240-76547-40), EL-SW01A-030917 (240-76547-41), EL-SW01B-030917 (240-76547-42), EL-SW01C-030917 (240-76547-43), EL-SW01D-030917 (240-76547-44) and TB-030917 (240-76547-45) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 03/13/2017 and 03/14/2017.

The continuing calibration verification (CCV) for analytical batch 270367 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required: MSA-SW41C-030917 (240-76547-19), MSA-SW41D-030917 (240-76547-20), MSA-SW42A-030917 (240-76547-21), MSA-SW42B-030917 (240-76547-22), MSA-SW42C-030917 (240-76547-23), MSA-SW42D-030917 (240-76547-24), MSA-SW43A-030917 (240-76547-25), MSA-SW43B-030917 (240-76547-26), MSA-SW43C-030917 (240-76547-27), MSA-SW43D-030917 (240-76547-28), MSA-SW44A-030917 (240-76547-29), MSA-SW44B-030917 (240-76547-30), MSA-SW44C-030917 (240-76547-31), MSA-SW44D-030917 (240-76547-32), MSA-SW45A-030917 (240-76547-33), MSA-SW45B-030917 (240-76547-34), MSA-SW45C-030917 (240-76547-35), MSA-SW45D-030917 (240-76547-36), MSA-SW46A-030917 (240-76547-37), MSA-SW47A-030917 (240-76547-38), MSA-SW48A-030917 (240-76547-39), MSA-SW49A-030917 (240-76547-40), EL-SW01A-030917 (240-76547-41), EL-SW01B-030917 (240-76547-42), EL-SW01C-030917 (240-76547-43), EL-SW01D-030917 (240-76547-44) and TB-030917 (240-76547-45).

The preservative used in the sample containers received is not compatible with the analytes requested. 2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample: MSA-SW37A-030917 (240-76547-1), MSA-SW37B-030917 (240-76547-2), MSA-SW37C-030917 (240-76547-3), MSA-SW38D-030917 (240-76547-4), MSA-SW38A-030917 (240-76547-5), MSA-SW38B-030917 (240-76547-6), MSA-SW38C-030917 (240-76547-7), MSA-SW38D-030917 (240-76547-8), MSA-SW39A-030917 (240-76547-9), MSA-SW39B-030917 (240-76547-10), MSA-SW39C-030917 (240-76547-11), MSA-SW39D-030917 (240-76547-12), MSA-SW40A-030917 (240-76547-13), MSA-SW40B-030917 (240-76547-14), MSA-SW40C-030917 (240-76547-15), MSA-SW40D-030917 (240-76547-16), MSA-SW41A-030917 (240-76547-17), MSA-SW41B-030917 (240-76547-18), MSA-SW41C-030917 (240-76547-19), MSA-SW41D-030917 (240-76547-20), MSA-SW42A-030917 (240-76547-21), MSA-SW42B-030917 (240-76547-22), MSA-SW42C-030917 (240-76547-23), MSA-SW42D-030917 (240-76547-24), MSA-SW43A-030917 (240-76547-25), MSA-SW43B-030917 (240-76547-26), MSA-SW43C-030917 (240-76547-27), MSA-SW43D-030917 (240-76547-28), MSA-SW44A-030917 (240-76547-29), MSA-SW44B-030917 (240-76547-30), MSA-SW44C-030917 (240-76547-31), MSA-SW44D-030917 (240-76547-32), MSA-SW45A-030917 (240-76547-33), MSA-SW45B-030917 (240-76547-34), MSA-SW45C-030917 (240-76547-35), MSA-SW45D-030917 (240-76547-36), MSA-SW46A-030917 (240-76547-37), MSA-SW47A-030917 (240-76547-38), MSA-SW48A-030917 (240-76547-39), MSA-SW49A-030917 (240-76547-40), EL-SW01A-030917 (240-76547-41), EL-SW01B-030917 (240-76547-42), EL-SW01C-030917 (240-76547-43), EL-SW01D-030917 (240-76547-44) and TB-030917 (240-76547-45).

Methylene Chloride was detected in method blank MB 240-270300/7 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.

The laboratory control sample (LCS) for analytical batch 240-270478 recovered outside control limits for the following analyte: 2-Butanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported: MSA-SW48A-030917 (240-76547-39), MSA-SW49A-030917 (240-76547-40), EL-SW01A-030917 (240-76547-41), EL-SW01B-030917 (240-76547-42), EL-SW01C-030917 (240-76547-43), EL-SW01D-030917 (240-76547-44), TB-030917 (240-76547-45) and (LCS 240-270478/4).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batches 240-270367 and 240-270300.

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

DISSOLVED METALS (ICPMS)

Samples MSA-SW37A-030917 (240-76547-1), MSA-SW37B-030917 (240-76547-2), MSA-SW37C-030917 (240-76547-3), MSA-SW38D-030917 (240-76547-4), MSA-SW38A-030917 (240-76547-5), MSA-SW38B-030917 (240-76547-6), MSA-SW38C-030917 (240-76547-7), MSA-SW38D-030917 (240-76547-8), MSA-SW39A-030917 (240-76547-9), MSA-SW39B-030917 (240-76547-10), MSA-SW39C-030917 (240-76547-11), MSA-SW39D-030917 (240-76547-12), MSA-SW40A-030917 (240-76547-13), MSA-SW40B-030917 (240-76547-14), MSA-SW40C-030917 (240-76547-15), MSA-SW40D-030917 (240-76547-16), MSA-SW41A-030917 (240-76547-17), MSA-SW41B-030917 (240-76547-18), MSA-SW41C-030917 (240-76547-19), MSA-SW41D-030917 (240-76547-20), MSA-SW42A-030917 (240-76547-21), MSA-SW42B-030917 (240-76547-22), MSA-SW42C-030917 (240-76547-23), MSA-SW42D-030917 (240-76547-24), MSA-SW43A-030917 (240-76547-25), MSA-SW43B-030917 (240-76547-26), MSA-SW43C-030917 (240-76547-27), MSA-SW43D-030917 (240-76547-28), MSA-SW44A-030917 (240-76547-29), MSA-SW44B-030917 (240-76547-30), MSA-SW44C-030917 (240-76547-31), MSA-SW44D-030917 (240-76547-32), MSA-SW45A-030917 (240-76547-33), MSA-SW45B-030917 (240-76547-34), MSA-SW45C-030917 (240-76547-35) and MSA-SW45D-030917 (240-76547-36) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 03/11/2017 and 03/14/2017 and analyzed on 03/13/2017 and 03/15/2017.

Molybdenum was detected in method blank MB 240-270163/1-A 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.

Lead was detected in method blank MB 240-270164/1-A 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.

Barium, Calcium, Copper, Magnesium and Nickel were detected in method blank MB 240-270500/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Magnesium failed the recovery criteria high for the MS of sample MSA-SW41A-030917MS (240-76547-17) in batch 240-270327.

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

DISSOLVED MERCURY (CVAA)

Samples MSA-SW37A-030917 (240-76547-1), MSA-SW37B-030917 (240-76547-2), MSA-SW37C-030917 (240-76547-3), MSA-SW38D-030917 (240-76547-4), MSA-SW38A-030917 (240-76547-5), MSA-SW38B-030917 (240-76547-6), MSA-SW38C-030917 (240-76547-7), MSA-SW38D-030917 (240-76547-8), MSA-SW39A-030917 (240-76547-9), MSA-SW39B-030917 (240-76547-10), MSA-SW39C-030917 (240-76547-11), MSA-SW39D-030917 (240-76547-12), MSA-SW40A-030917 (240-76547-13),

MSA-SW40B-030917 (240-76547-14), MSA-SW40C-030917 (240-76547-15), MSA-SW40D-030917 (240-76547-16), MSA-SW41A-030917 (240-76547-17), MSA-SW41B-030917 (240-76547-18), MSA-SW41C-030917 (240-76547-19), MSA-SW41D-030917 (240-76547-20), MSA-SW42A-030917 (240-76547-21), MSA-SW42B-030917 (240-76547-22), MSA-SW42C-030917 (240-76547-23), MSA-SW42D-030917 (240-76547-24), MSA-SW43A-030917 (240-76547-25), MSA-SW43B-030917 (240-76547-26), MSA-SW43C-030917 (240-76547-27), MSA-SW43D-030917 (240-76547-28), MSA-SW44A-030917 (240-76547-29), MSA-SW44B-030917 (240-76547-30), MSA-SW44C-030917 (240-76547-31), MSA-SW44D-030917 (240-76547-32), MSA-SW45A-030917 (240-76547-33), MSA-SW45B-030917 (240-76547-34), MSA-SW45C-030917 (240-76547-35) and MSA-SW45D-030917 (240-76547-36) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 03/14/2017 and analyzed on 03/14/2017 and 03/15/2017.

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

DISSOLVED HARDNESS (AS CaCO₃) BY CALCULATION

Samples MSA-SW37A-030917 (240-76547-1), MSA-SW37B-030917 (240-76547-2), MSA-SW37C-030917 (240-76547-3), MSA-SW38D-030917 (240-76547-4), MSA-SW38A-030917 (240-76547-5), MSA-SW38B-030917 (240-76547-6), MSA-SW38C-030917 (240-76547-7), MSA-SW38D-030917 (240-76547-8), MSA-SW39A-030917 (240-76547-9), MSA-SW39B-030917 (240-76547-10), MSA-SW39C-030917 (240-76547-11), MSA-SW39D-030917 (240-76547-12), MSA-SW40A-030917 (240-76547-13), MSA-SW40B-030917 (240-76547-14), MSA-SW40C-030917 (240-76547-15), MSA-SW40D-030917 (240-76547-16), MSA-SW41A-030917 (240-76547-17), MSA-SW41B-030917 (240-76547-18), MSA-SW41C-030917 (240-76547-19), MSA-SW41D-030917 (240-76547-20), MSA-SW42A-030917 (240-76547-21), MSA-SW42B-030917 (240-76547-22), MSA-SW42C-030917 (240-76547-23), MSA-SW42D-030917 (240-76547-24), MSA-SW43A-030917 (240-76547-25), MSA-SW43B-030917 (240-76547-26), MSA-SW43C-030917 (240-76547-27), MSA-SW43D-030917 (240-76547-28), MSA-SW44A-030917 (240-76547-29), MSA-SW44B-030917 (240-76547-30), MSA-SW44C-030917 (240-76547-31), MSA-SW44D-030917 (240-76547-32), MSA-SW45A-030917 (240-76547-33), MSA-SW45B-030917 (240-76547-34), MSA-SW45C-030917 (240-76547-35) and MSA-SW45D-030917 (240-76547-36) were analyzed for dissolved hardness (as CaCO₃) by calculation in accordance with SM 2340B. The samples were analyzed on 03/16/2017.

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

SAMPLE SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-76547-1	MSA-SW37A-030917	Water	03/09/2017 1211	03/10/2017 1110
240-76547-2	MSA-SW37B-030917	Water	03/09/2017 1213	03/10/2017 1110
240-76547-3	MSA-SW37C-030917	Water	03/09/2017 1215	03/10/2017 1110
240-76547-4	MSA-SW38D-030917	Water	03/09/2017 1217	03/10/2017 1110
240-76547-5	MSA-SW38A-030917	Water	03/09/2017 1121	03/10/2017 1110
240-76547-6	MSA-SW38B-030917	Water	03/09/2017 1125	03/10/2017 1110
240-76547-7	MSA-SW38C-030917	Water	03/09/2017 1127	03/10/2017 1110
240-76547-8	MSA-SW38D-030917	Water	03/09/2017 1129	03/10/2017 1110
240-76547-9	MSA-SW39A-030917	Water	03/09/2017 0939	03/10/2017 1110
240-76547-10	MSA-SW39B-030917	Water	03/09/2017 0936	03/10/2017 1110
240-76547-11	MSA-SW39C-030917	Water	03/09/2017 0949	03/10/2017 1110
240-76547-12	MSA-SW39D-030917	Water	03/09/2017 0952	03/10/2017 1110
240-76547-13	MSA-SW40A-030917	Water	03/09/2017 1138	03/10/2017 1110
240-76547-14	MSA-SW40B-030917	Water	03/09/2017 1143	03/10/2017 1110
240-76547-15	MSA-SW40C-030917	Water	03/09/2017 1146	03/10/2017 1110
240-76547-16	MSA-SW40D-030917	Water	03/09/2017 1149	03/10/2017 1110
240-76547-17	MSA-SW41A-030917	Water	03/09/2017 1048	03/10/2017 1110
240-76547-18	MSA-SW41B-030917	Water	03/09/2017 1049	03/10/2017 1110
240-76547-19	MSA-SW41C-030917	Water	03/09/2017 1104	03/10/2017 1110
240-76547-20	MSA-SW41D-030917	Water	03/09/2017 1107	03/10/2017 1110
240-76547-21	MSA-SW42A-030917	Water	03/09/2017 1154	03/10/2017 1110
240-76547-22	MSA-SW42B-030917	Water	03/09/2017 1202	03/10/2017 1110
240-76547-23	MSA-SW42C-030917	Water	03/09/2017 1204	03/10/2017 1110
240-76547-24	MSA-SW42D-030917	Water	03/09/2017 1206	03/10/2017 1110
240-76547-25	MSA-SW43A-030917	Water	03/09/2017 1030	03/10/2017 1110
240-76547-26	MSA-SW43B-030917	Water	03/09/2017 1032	03/10/2017 1110
240-76547-27	MSA-SW43C-030917	Water	03/09/2017 1035	03/10/2017 1110
240-76547-28	MSA-SW43D-030917	Water	03/09/2017 1042	03/10/2017 1110
240-76547-29	MSA-SW44A-030917	Water	03/09/2017 1015	03/10/2017 1110
240-76547-30	MSA-SW44B-030917	Water	03/09/2017 1020	03/10/2017 1110
240-76547-31	MSA-SW44C-030917	Water	03/09/2017 1022	03/10/2017 1110
240-76547-32	MSA-SW44D-030917	Water	03/09/2017 1025	03/10/2017 1110
240-76547-33	MSA-SW45A-030917	Water	03/09/2017 0959	03/10/2017 1110
240-76547-34	MSA-SW45B-030917	Water	03/09/2017 1001	03/10/2017 1110
240-76547-35	MSA-SW45C-030917	Water	03/09/2017 1005	03/10/2017 1110
240-76547-36	MSA-SW45D-030917	Water	03/09/2017 1007	03/10/2017 1110
240-76547-37	MSA-SW46A-030917	Water	03/09/2017 1151	03/10/2017 1110
240-76547-38	MSA-SW47A-030917	Water	03/09/2017 1133	03/10/2017 1110
240-76547-39	MSA-SW48A-030917	Water	03/09/2017 1113	03/10/2017 1110
240-76547-40	MSA-SW49A-030917	Water	03/09/2017 1045	03/10/2017 1110
240-76547-41	EL-SW01A-030917	Water	03/09/2017 0911	03/10/2017 1110
240-76547-42	EL-SW01B-030917	Water	03/09/2017 0923	03/10/2017 1110
240-76547-43	EL-SW01C-030917	Water	03/09/2017 0927	03/10/2017 1110
240-76547-44	EL-SW01D-030917	Water	03/09/2017 0931	03/10/2017 1110
240-76547-45	TB-030917	Water	03/09/2017 0000	03/10/2017 1110

METHOD SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Purge and Trap	TAL CAN		SW846 5030C
Metals (ICP/MS)	TAL CAN	SW846 6020	
Preparation, Total Recoverable or Dissolved Metals	TAL CAN		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL CAN	SW846 7470A	
Preparation, Mercury	TAL CAN		SW846 7470A
Sample Filtration, Field			FIELD_FLTRD
Total Hardness (as CaCO ₃) by calculation	TAL CAN	SM SM 2340B	
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL CAN = TestAmerica Canton

Method References:

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.

DATA REPORTING QUALIFIERS

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

Lab Section	Qualifier	Description
GC/MS VOA	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	N	This flag indicates the presumptive evidence of a compound.
Metals	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	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	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-270300					
LCS 240-270300/4	Lab Control Sample	T	Water	8260C	
MB 240-270300/7	Method Blank	T	Water	8260C	
240-76547-1	MSA-SW37A-030917	T	Water	8260C	
240-76547-2	MSA-SW37B-030917	T	Water	8260C	
240-76547-3	MSA-SW37C-030917	T	Water	8260C	
240-76547-4	MSA-SW38D-030917	T	Water	8260C	
240-76547-5	MSA-SW38A-030917	T	Water	8260C	
240-76547-6	MSA-SW38B-030917	T	Water	8260C	
240-76547-7	MSA-SW38C-030917	T	Water	8260C	
240-76547-8	MSA-SW38D-030917	T	Water	8260C	
240-76547-9	MSA-SW39A-030917	T	Water	8260C	
240-76547-10	MSA-SW39B-030917	T	Water	8260C	
240-76547-11	MSA-SW39C-030917	T	Water	8260C	
240-76547-12	MSA-SW39D-030917	T	Water	8260C	
240-76547-13	MSA-SW40A-030917	T	Water	8260C	
240-76547-14	MSA-SW40B-030917	T	Water	8260C	
240-76547-15	MSA-SW40C-030917	T	Water	8260C	
240-76547-16	MSA-SW40D-030917	T	Water	8260C	
240-76547-17	MSA-SW41A-030917	T	Water	8260C	
240-76547-18	MSA-SW41B-030917	T	Water	8260C	
Analysis Batch:240-270367					
LCS 240-270367/4	Lab Control Sample	T	Water	8260C	
MB 240-270367/6	Method Blank	T	Water	8260C	
240-76547-19	MSA-SW41C-030917	T	Water	8260C	
240-76547-20	MSA-SW41D-030917	T	Water	8260C	
240-76547-21	MSA-SW42A-030917	T	Water	8260C	
240-76547-22	MSA-SW42B-030917	T	Water	8260C	
240-76547-23	MSA-SW42C-030917	T	Water	8260C	
240-76547-24	MSA-SW42D-030917	T	Water	8260C	
240-76547-25	MSA-SW43A-030917	T	Water	8260C	
240-76547-26	MSA-SW43B-030917	T	Water	8260C	
240-76547-27	MSA-SW43C-030917	T	Water	8260C	
240-76547-28	MSA-SW43D-030917	T	Water	8260C	
240-76547-29	MSA-SW44A-030917	T	Water	8260C	
240-76547-30	MSA-SW44B-030917	T	Water	8260C	
240-76547-31	MSA-SW44C-030917	T	Water	8260C	
240-76547-32	MSA-SW44D-030917	T	Water	8260C	
240-76547-33	MSA-SW45A-030917	T	Water	8260C	
240-76547-34	MSA-SW45B-030917	T	Water	8260C	
240-76547-35	MSA-SW45C-030917	T	Water	8260C	
240-76547-36	MSA-SW45D-030917	T	Water	8260C	
240-76547-37	MSA-SW46A-030917	T	Water	8260C	
240-76547-38	MSA-SW47A-030917	T	Water	8260C	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-270478					
LCS 240-270478/4	Lab Control Sample	T	Water	8260C	
MB 240-270478/6	Method Blank	T	Water	8260C	
240-76517-C-2 MS	Matrix Spike	T	Water	8260C	
240-76517-A-2 MSD	Matrix Spike Duplicate	T	Water	8260C	
240-76547-39	MSA-SW48A-030917	T	Water	8260C	
240-76547-40	MSA-SW49A-030917	T	Water	8260C	
240-76547-41	EL-SW01A-030917	T	Water	8260C	
240-76547-42	EL-SW01B-030917	T	Water	8260C	
240-76547-43	EL-SW01C-030917	T	Water	8260C	
240-76547-44	EL-SW01D-030917	T	Water	8260C	
240-76547-45	TB-030917	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-270163					
LCS 240-270163/2-A	Lab Control Sample	R	Water	3005A	
MB 240-270163/1-A	Method Blank	R	Water	3005A	
240-76547-16	MSA-SW40D-030917	D	Water	3005A	
240-76547-17	MSA-SW41A-030917	D	Water	3005A	
240-76547-17MS	Matrix Spike	D	Water	3005A	
240-76547-17MSD	Matrix Spike Duplicate	D	Water	3005A	
240-76547-18	MSA-SW41B-030917	D	Water	3005A	
240-76547-19	MSA-SW41C-030917	D	Water	3005A	
240-76547-20	MSA-SW41D-030917	D	Water	3005A	
240-76547-21	MSA-SW42A-030917	D	Water	3005A	
240-76547-22	MSA-SW42B-030917	D	Water	3005A	
240-76547-23	MSA-SW42C-030917	D	Water	3005A	
240-76547-24	MSA-SW42D-030917	D	Water	3005A	
240-76547-25	MSA-SW43A-030917	D	Water	3005A	
240-76547-26	MSA-SW43B-030917	D	Water	3005A	
240-76547-27	MSA-SW43C-030917	D	Water	3005A	
240-76547-28	MSA-SW43D-030917	D	Water	3005A	
240-76547-29	MSA-SW44A-030917	D	Water	3005A	
240-76547-30	MSA-SW44B-030917	D	Water	3005A	
240-76547-31	MSA-SW44C-030917	D	Water	3005A	
240-76547-32	MSA-SW44D-030917	D	Water	3005A	
240-76547-33	MSA-SW45A-030917	D	Water	3005A	
240-76547-34	MSA-SW45B-030917	D	Water	3005A	
240-76547-35	MSA-SW45C-030917	D	Water	3005A	
Prep Batch: 240-270164					
LCS 240-270164/3-A	Lab Control Sample	R	Water	3005A	
MB 240-270164/1-A	Method Blank	R	Water	3005A	
240-76547-1	MSA-SW37A-030917	D	Water	3005A	
240-76547-1MS	Matrix Spike	D	Water	3005A	
240-76547-1MSD	Matrix Spike Duplicate	D	Water	3005A	
240-76547-2	MSA-SW37B-030917	D	Water	3005A	
240-76547-3	MSA-SW37C-030917	D	Water	3005A	
240-76547-4	MSA-SW38D-030917	D	Water	3005A	
240-76547-5	MSA-SW38A-030917	D	Water	3005A	
240-76547-6	MSA-SW38B-030917	D	Water	3005A	
240-76547-7	MSA-SW38C-030917	D	Water	3005A	
240-76547-8	MSA-SW38D-030917	D	Water	3005A	
240-76547-9	MSA-SW39A-030917	D	Water	3005A	
240-76547-10	MSA-SW39B-030917	D	Water	3005A	
240-76547-11	MSA-SW39C-030917	D	Water	3005A	
240-76547-12	MSA-SW39D-030917	D	Water	3005A	
240-76547-13	MSA-SW40A-030917	D	Water	3005A	
240-76547-14	MSA-SW40B-030917	D	Water	3005A	
240-76547-15	MSA-SW40C-030917	D	Water	3005A	

TestAmerica Canton

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-270327					
LCS 240-270163/2-A	Lab Control Sample	R	Water	6020	240-270163
MB 240-270163/1-A	Method Blank	R	Water	6020	240-270163
240-76547-16	MSA-SW40D-030917	D	Water	6020	240-270163
240-76547-17	MSA-SW41A-030917	D	Water	6020	240-270163
240-76547-17MS	Matrix Spike	D	Water	6020	240-270163
240-76547-17MSD	Matrix Spike Duplicate	D	Water	6020	240-270163
240-76547-18	MSA-SW41B-030917	D	Water	6020	240-270163
240-76547-19	MSA-SW41C-030917	D	Water	6020	240-270163
240-76547-20	MSA-SW41D-030917	D	Water	6020	240-270163
240-76547-21	MSA-SW42A-030917	D	Water	6020	240-270163
240-76547-22	MSA-SW42B-030917	D	Water	6020	240-270163
240-76547-23	MSA-SW42C-030917	D	Water	6020	240-270163
240-76547-24	MSA-SW42D-030917	D	Water	6020	240-270163
240-76547-25	MSA-SW43A-030917	D	Water	6020	240-270163
240-76547-26	MSA-SW43B-030917	D	Water	6020	240-270163
240-76547-27	MSA-SW43C-030917	D	Water	6020	240-270163
240-76547-28	MSA-SW43D-030917	D	Water	6020	240-270163
240-76547-29	MSA-SW44A-030917	D	Water	6020	240-270163
240-76547-30	MSA-SW44B-030917	D	Water	6020	240-270163
240-76547-31	MSA-SW44C-030917	D	Water	6020	240-270163
240-76547-32	MSA-SW44D-030917	D	Water	6020	240-270163
240-76547-33	MSA-SW45A-030917	D	Water	6020	240-270163
240-76547-34	MSA-SW45B-030917	D	Water	6020	240-270163
240-76547-35	MSA-SW45C-030917	D	Water	6020	240-270163

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-270425					
LCS 240-270425/2-A	Lab Control Sample	T	Water	7470A	
MB 240-270425/1-A	Method Blank	T	Water	7470A	
240-76547-1	MSA-SW37A-030917	D	Water	7470A	
240-76547-1MS	Matrix Spike	D	Water	7470A	
240-76547-1MSD	Matrix Spike Duplicate	D	Water	7470A	
240-76547-2	MSA-SW37B-030917	D	Water	7470A	
240-76547-3	MSA-SW37C-030917	D	Water	7470A	
240-76547-4	MSA-SW38D-030917	D	Water	7470A	
240-76547-5	MSA-SW38A-030917	D	Water	7470A	
240-76547-6	MSA-SW38B-030917	D	Water	7470A	
240-76547-7	MSA-SW38C-030917	D	Water	7470A	
240-76547-8	MSA-SW38D-030917	D	Water	7470A	
240-76547-9	MSA-SW39A-030917	D	Water	7470A	
240-76547-10	MSA-SW39B-030917	D	Water	7470A	
240-76547-11	MSA-SW39C-030917	D	Water	7470A	
240-76547-12	MSA-SW39D-030917	D	Water	7470A	
240-76547-13	MSA-SW40A-030917	D	Water	7470A	
240-76547-14	MSA-SW40B-030917	D	Water	7470A	
240-76547-15	MSA-SW40C-030917	D	Water	7470A	
240-76547-16	MSA-SW40D-030917	D	Water	7470A	
240-76547-17	MSA-SW41A-030917	D	Water	7470A	
240-76547-18	MSA-SW41B-030917	D	Water	7470A	
240-76547-19	MSA-SW41C-030917	D	Water	7470A	
240-76547-20	MSA-SW41D-030917	D	Water	7470A	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-270434					
LCS 240-270434/2-A	Lab Control Sample	T	Water	7470A	
MB 240-270434/1-A	Method Blank	T	Water	7470A	
240-76547-21	MSA-SW42A-030917	D	Water	7470A	
240-76547-21MS	Matrix Spike	D	Water	7470A	
240-76547-21MSD	Matrix Spike Duplicate	D	Water	7470A	
240-76547-22	MSA-SW42B-030917	D	Water	7470A	
240-76547-23	MSA-SW42C-030917	D	Water	7470A	
240-76547-24	MSA-SW42D-030917	D	Water	7470A	
240-76547-25	MSA-SW43A-030917	D	Water	7470A	
240-76547-26	MSA-SW43B-030917	D	Water	7470A	
240-76547-27	MSA-SW43C-030917	D	Water	7470A	
240-76547-28	MSA-SW43D-030917	D	Water	7470A	
240-76547-29	MSA-SW44A-030917	D	Water	7470A	
240-76547-30	MSA-SW44B-030917	D	Water	7470A	
240-76547-31	MSA-SW44C-030917	D	Water	7470A	
240-76547-32	MSA-SW44D-030917	D	Water	7470A	
240-76547-33	MSA-SW45A-030917	D	Water	7470A	
240-76547-34	MSA-SW45B-030917	D	Water	7470A	
240-76547-35	MSA-SW45C-030917	D	Water	7470A	
240-76547-36	MSA-SW45D-030917	D	Water	7470A	
Prep Batch: 240-270500					
LCS 240-270500/2-A	Lab Control Sample	R	Water	3005A	
MB 240-270500/1-A	Method Blank	R	Water	3005A	
240-76547-36	MSA-SW45D-030917	D	Water	3005A	
240-76575-A-4-E MS	Matrix Spike	R	Water	3005A	
240-76575-A-4-F MSD	Matrix Spike Duplicate	R	Water	3005A	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-270581					
LCS 240-270434/2-A	Lab Control Sample	T	Water	7470A	240-270434
MB 240-270434/1-A	Method Blank	T	Water	7470A	240-270434
240-76547-21	MSA-SW42A-030917	D	Water	7470A	240-270434
240-76547-21MS	Matrix Spike	D	Water	7470A	240-270434
240-76547-21MSD	Matrix Spike Duplicate	D	Water	7470A	240-270434
240-76547-22	MSA-SW42B-030917	D	Water	7470A	240-270434
240-76547-23	MSA-SW42C-030917	D	Water	7470A	240-270434
240-76547-24	MSA-SW42D-030917	D	Water	7470A	240-270434
240-76547-25	MSA-SW43A-030917	D	Water	7470A	240-270434
240-76547-26	MSA-SW43B-030917	D	Water	7470A	240-270434
240-76547-27	MSA-SW43C-030917	D	Water	7470A	240-270434
240-76547-28	MSA-SW43D-030917	D	Water	7470A	240-270434
240-76547-29	MSA-SW44A-030917	D	Water	7470A	240-270434
240-76547-30	MSA-SW44B-030917	D	Water	7470A	240-270434
240-76547-31	MSA-SW44C-030917	D	Water	7470A	240-270434
240-76547-32	MSA-SW44D-030917	D	Water	7470A	240-270434
240-76547-33	MSA-SW45A-030917	D	Water	7470A	240-270434
240-76547-34	MSA-SW45B-030917	D	Water	7470A	240-270434
240-76547-35	MSA-SW45C-030917	D	Water	7470A	240-270434
240-76547-36	MSA-SW45D-030917	D	Water	7470A	240-270434

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-270733					
LCS 240-270425/2-A	Lab Control Sample	T	Water	7470A	240-270425
MB 240-270425/1-A	Method Blank	T	Water	7470A	240-270425
240-76547-1	MSA-SW37A-030917	D	Water	7470A	240-270425
240-76547-1MS	Matrix Spike	D	Water	7470A	240-270425
240-76547-1MSD	Matrix Spike Duplicate	D	Water	7470A	240-270425
240-76547-2	MSA-SW37B-030917	D	Water	7470A	240-270425
240-76547-3	MSA-SW37C-030917	D	Water	7470A	240-270425
240-76547-4	MSA-SW38D-030917	D	Water	7470A	240-270425
240-76547-5	MSA-SW38A-030917	D	Water	7470A	240-270425
240-76547-6	MSA-SW38B-030917	D	Water	7470A	240-270425
240-76547-7	MSA-SW38C-030917	D	Water	7470A	240-270425
240-76547-8	MSA-SW38D-030917	D	Water	7470A	240-270425
240-76547-9	MSA-SW39A-030917	D	Water	7470A	240-270425
240-76547-10	MSA-SW39B-030917	D	Water	7470A	240-270425
240-76547-11	MSA-SW39C-030917	D	Water	7470A	240-270425
240-76547-12	MSA-SW39D-030917	D	Water	7470A	240-270425
240-76547-13	MSA-SW40A-030917	D	Water	7470A	240-270425
240-76547-14	MSA-SW40B-030917	D	Water	7470A	240-270425
240-76547-15	MSA-SW40C-030917	D	Water	7470A	240-270425
240-76547-16	MSA-SW40D-030917	D	Water	7470A	240-270425
240-76547-17	MSA-SW41A-030917	D	Water	7470A	240-270425
240-76547-18	MSA-SW41B-030917	D	Water	7470A	240-270425
240-76547-19	MSA-SW41C-030917	D	Water	7470A	240-270425
240-76547-20	MSA-SW41D-030917	D	Water	7470A	240-270425

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-270801					
LCS 240-270164/3-A	Lab Control Sample	R	Water	6020	240-270164
MB 240-270164/1-A	Method Blank	R	Water	6020	240-270164
LCS 240-270500/2-A	Lab Control Sample	R	Water	6020	240-270500
MB 240-270500/1-A	Method Blank	R	Water	6020	240-270500
240-76547-1	MSA-SW37A-030917	D	Water	6020	240-270164
240-76547-1MS	Matrix Spike	D	Water	6020	240-270164
240-76547-1MSD	Matrix Spike Duplicate	D	Water	6020	240-270164
240-76547-2	MSA-SW37B-030917	D	Water	6020	240-270164
240-76547-3	MSA-SW37C-030917	D	Water	6020	240-270164
240-76547-4	MSA-SW38D-030917	D	Water	6020	240-270164
240-76547-5	MSA-SW38A-030917	D	Water	6020	240-270164
240-76547-6	MSA-SW38B-030917	D	Water	6020	240-270164
240-76547-7	MSA-SW38C-030917	D	Water	6020	240-270164
240-76547-8	MSA-SW38D-030917	D	Water	6020	240-270164
240-76547-9	MSA-SW39A-030917	D	Water	6020	240-270164
240-76547-10	MSA-SW39B-030917	D	Water	6020	240-270164
240-76547-11	MSA-SW39C-030917	D	Water	6020	240-270164
240-76547-12	MSA-SW39D-030917	D	Water	6020	240-270164
240-76547-13	MSA-SW40A-030917	D	Water	6020	240-270164
240-76547-14	MSA-SW40B-030917	D	Water	6020	240-270164
240-76547-15	MSA-SW40C-030917	D	Water	6020	240-270164
240-76547-36	MSA-SW45D-030917	D	Water	6020	240-270500
240-76575-A-4-E MS	Matrix Spike	R	Water	6020	240-270500
240-76575-A-4-F MSD	Matrix Spike Duplicate	R	Water	6020	240-270500

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-76547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-270907					
240-76547-1	MSA-SW37A-030917	D	Water	SM 2340B	
240-76547-2	MSA-SW37B-030917	D	Water	SM 2340B	
240-76547-3	MSA-SW37C-030917	D	Water	SM 2340B	
240-76547-4	MSA-SW38D-030917	D	Water	SM 2340B	
240-76547-5	MSA-SW38A-030917	D	Water	SM 2340B	
240-76547-6	MSA-SW38B-030917	D	Water	SM 2340B	
240-76547-7	MSA-SW38C-030917	D	Water	SM 2340B	
240-76547-8	MSA-SW38D-030917	D	Water	SM 2340B	
240-76547-9	MSA-SW39A-030917	D	Water	SM 2340B	
240-76547-10	MSA-SW39B-030917	D	Water	SM 2340B	
240-76547-11	MSA-SW39C-030917	D	Water	SM 2340B	
240-76547-12	MSA-SW39D-030917	D	Water	SM 2340B	
240-76547-13	MSA-SW40A-030917	D	Water	SM 2340B	
240-76547-14	MSA-SW40B-030917	D	Water	SM 2340B	
240-76547-15	MSA-SW40C-030917	D	Water	SM 2340B	
240-76547-16	MSA-SW40D-030917	D	Water	SM 2340B	
240-76547-17	MSA-SW41A-030917	D	Water	SM 2340B	
240-76547-18	MSA-SW41B-030917	D	Water	SM 2340B	
240-76547-19	MSA-SW41C-030917	D	Water	SM 2340B	
240-76547-20	MSA-SW41D-030917	D	Water	SM 2340B	
240-76547-21	MSA-SW42A-030917	D	Water	SM 2340B	
240-76547-22	MSA-SW42B-030917	D	Water	SM 2340B	
240-76547-23	MSA-SW42C-030917	D	Water	SM 2340B	
240-76547-24	MSA-SW42D-030917	D	Water	SM 2340B	
240-76547-25	MSA-SW43A-030917	D	Water	SM 2340B	
240-76547-26	MSA-SW43B-030917	D	Water	SM 2340B	
240-76547-27	MSA-SW43C-030917	D	Water	SM 2340B	
240-76547-28	MSA-SW43D-030917	D	Water	SM 2340B	
240-76547-29	MSA-SW44A-030917	D	Water	SM 2340B	
240-76547-30	MSA-SW44B-030917	D	Water	SM 2340B	
240-76547-31	MSA-SW44C-030917	D	Water	SM 2340B	
240-76547-32	MSA-SW44D-030917	D	Water	SM 2340B	
240-76547-33	MSA-SW45A-030917	D	Water	SM 2340B	
240-76547-34	MSA-SW45B-030917	D	Water	SM 2340B	
240-76547-35	MSA-SW45C-030917	D	Water	SM 2340B	
240-76547-36	MSA-SW45D-030917	D	Water	SM 2340B	

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

North Canton

4101 Shuffel Street, N. W.

North Canton, OH 44720

phone 330.497.9396 fax 330.497.0772

BAKING

57801

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact Tetra Tech 20251 Century Blvd, Suite 200 Germantown, MD 20874 (301) 528-3021 Phone (301) 528-3000 FAX Project Name: MSA Surface Water Sampling Site: MSA Frog Mortar Creek P O #		Project Manager: Tony Apanavage Tel/Fax: 301-233-8230 (cell) Analysis Turnaround Time Calendar (C) or Work Days (W) ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day TAT if different from Below: 21 DAYS		Site Contact: Tony Apanavage Lab Contact: John McFadden Date: 3/9/2017 Carrier: Fedex		COC No. 1 of 4 COCs Job No. SDG No. Sampler: S. Cameron Sample Specific Notes:	
Sample Identification				Filtered Sample			
Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	VOCs (8260C) Dissolved Metals (6020B/7470A) Hardness (2340B) 1,4-Dioxane (8270C)	
MSA-SW37A-030917	3/9/2017	1211	SW	Water	4	x	x
MSA-SW37B-030917	3/9/2017	1213	SW	Water	4	x	x
MSA-SW37C-030917	3/9/2017	1215	SW	Water	4	x	x
MSA-SW37D-030917	3/9/2017	1217	SW	Water	4	x	x
MSA-SW38A-030917	3/9/2017	1121	SW	Water	4	x	x
MSA-SW38B-030917	3/9/2017	1125	SW	Water	4	x	x
MSA-SW38C-030917	3/9/2017	1127	SW	Water	4	x	x
MSA-SW38D-030917	3/9/2017	1129	SW	Water	4	x	x
MSA-SW39A-030917	3/9/2017	939	SW	Water	4	x	x
MSA-SW39B-030917	3/9/2017	936	SW	Water	4	x	x
MSA-SW39C-030917	3/9/2017	949	SW	Water	4	x	x
MSA-SW39D-030917	3/9/2017	952	SW	Water	4	x	x
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Unknown ☐ Perish B						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Special Instructions/QC Requirements & Comments: DISSOLVED METALS FILTERED IN FIELD							
Relinquished by: <i>TL</i>		Company: Tetra Tech		Date/Time: 3-9-17/1545		Company: TA	
Relinquished by: <i>MAC</i>		Company: TA		Date/Time: 3-9-17/1600		Company: TA	
Relinquished by:		Company:		Date/Time:		Company:	

North Canton

4101 Shuffel Street, N. W.

North Canton, OH 44720

phone 330.497.9396 fax 330.497.0772

Client Contact

Tetra Tech

20251 Century Blvd, Suite 200

Germantown, MD 20874

(301) 528-3021

(301) 528-3000

Project Name: MSA Surface Water Sampling

Site: MSA Frog Mortar Creek

P.O.#

Phone

FAX

Project Manager: Tony Apanavage

Tel/Fax: 301-233-8230 (cell)

Analysis Turnaround Time

Calendar (C) or Work Days (W)

TAT if different from Below: 21 DAYS

☐ 2 weeks

☐ 1 week

☐ 2 days

☐ 1 day

Site Contact: Tony Apanavage

Lab Contact: Pat Omeara

Date: 3/9/2017

Carrier: FedEx

COC No:

2 of 4 COCs

Job No.

SDG No.

Sampler: S. Cameron

Sample Specific Notes:

TestAmerica Laboratories, Inc.

THE LEADER IN ENVIRONMENTAL TESTING

3413.1

3.2/2.9

Chain of Custody Record

DISSOLVED METALS FILTERED IN FIELD

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

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Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

Relinquished by: _____

North Canton
4101 Shuffel Street, N. W.

BALTIMORE

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

672001

TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Tony Apanavage		Site Contact: Tony Apanavage		Date: 3/9/2017	
Tel/Fax: 301-233-8230 (cell)		Lab Contact: Pat Omeira		Carrier: Fedex		COC No.	
20251 Century Blvd, Suite 200		Analysis Turnaround Time		Job No.		3 of 4 COCs	
Germanstown, MD 20874		Calendar (C) or Work Days (W)		SDG No.		Sampler: S. Cameron	
(301) 528-3021 Phone		TAT if different from Below: 21 DAYS		Sample Specific Notes:			
(301) 528-3000 FAX		☐ 2 weeks					
Project Name: MSA Surface Water Sampling		☐ 1 week					
Site: MSA Frog Mortar Creek		☐ 2 days					
P O #		☐ 1 day					
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	
MSA-SW43A-030917	3/9/2017	1030	SW	Water	4	VOCs (8260C)	
MSA-SW43B-030917	3/9/2017	1032	SW	Water	4	Hardness (2540B)	
MSA-SW43C-030917	3/9/2017	1035	SW	Water	4	Dissolved Metals (6020B/7470A)	
MSA-SW43D-030917	3/9/2017	1042	SW	Water	4	1,4-Dioxane (8270C)	
MSA-SW44A-030917	3/9/2017	1015	SW	Water	4		
MSA-SW44B-030917	3/9/2017	1020	SW	Water	4		
MSA-SW44C-030917	3/9/2017	1022	SW	Water	4		
MSA-SW44D-030917	3/9/2017	1025	SW	Water	4		
MSA-SW45A-030917	3/9/2017	959	SW	Water	4		
MSA-SW45B-030917	3/9/2017	1001	SW	Water	4		
MSA-SW45C-030917	3/9/2017	1005	SW	Water	4		
MSA-SW45D-030917	3/9/2017	1007	SW	Water	4		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other						2	4
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	

Special Instructions/QC Requirements & Comments: DISSOLVED METALS FILTERED IN FIELD

Relinquished by:	Company: Tetra Tech	Date/Time: 3-9-17	Received by: Dalgemar	Company: TAL	Date/Time: 3-10-17
Relinquished by: [Signature]	Company: TA	Date/Time: 3/9/17	Received by: POP	Company: TAL	Date/Time: 3-10-17
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 70413

Client TETRA TECH Site Name _____
 Cooler Received on 3-10-17 Opened on 3-10-17

Cooler unpacked by:
POP

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box _____ Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None _____ Other _____
 COOLANT: Wet Ice Blue Ice Dry Ice Water None _____

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
 IR GUN# IR-8 (CF -0.3 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN #36 (CF +0.3 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were custody seals on the bottle(s) or bottle kits (LLHg/McHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
 If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC682547
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # B6343014B Yes No
15. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login #: 20547

X:\K-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WT-NC-099H-071615 Cooler Receipt Form_page 2 - Multiple Coolers.doc xls



34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 , DoD ELAP: A2LA 0818.01

State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

March 15, 2017

Work Order: 2214107

SDG: TMM075

Ms. Amy Thomson
Tetra Tech, Inc.
Foster Plaza 7
661 Andersen Drive
Pittsburgh, PA 15220

Laboratory Results for: Hexavalent Chromium

Dear Ms. Amy Thomson:

Enclosed are the analytical results for samples received by the laboratory starting on March 09, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP. Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at

www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads. This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental. Any events, such as QC failures, are explained in the report narrative.

If you have any questions regarding this certificate of analysis, please contact Ms. Jennifer M Stanhope Lamoreux (Reporting Manager) at (717) 944-5541. You may also contact me via email at jennifer.lamoreux@ALSglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Jennifer M Stanhope Lamoreux
Reporting Manager

ALS Environmental Laboratory Locations Across North America

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Vancouver • Waterloo • Winnipeg • Yellowknife United States: Cincinnati • Everett • Fort Collins • Holland • Houston • Middletown • Salt Lake City • Spring City • York Mexico: Monterrey

Tetra Tech, Inc.

ALS-Middletown

Case Narrative

TMM-075

Sample Management

This report contains the results of the analysis of thirty-six (36) water samples collected on March 9, 2017. Analytical results and quality control information are summarized in this data package.

Sample Receipt

The samples arrived at ALS via courier on March 9, 2017. Upon receipt, the samples were inspected and compared to the Chain of Custody. Sample temperature was documented on the enclosed Chain of Custody. Samples were received intact and properly preserved, unless noted on the enclosed Certificate of Analysis and/or Chain of Custody.

Hexavalent Chromium by EPA Method 218.6

Sample handling. Thirty-six (36) aqueous samples were analyzed for hexavalent chromium by EPA Method 218.6. The samples were filtered, preserved, and analyzed within the 24-hour holding period established by the client for the method.

Calibration. A calibration was properly established. Continuing calibration verification standards were analyzed to verify the calibration. The standards were within the QC limits.

Blanks. Method blanks were analyzed with the samples. Hexavalent chromium was not detected above the reporting limit in the blanks.

Laboratory Control Samples. Laboratory control samples, identified as 2499178 and 2499192, were analyzed initially and every 20 samples. The recoveries were within the QC limits.

Spikes. Matrix spike and matrix spike duplicate analyses, identified as 2499179 and 2499180, were performed on sample 2214107010 (MSA-SW39B-030917). The spike recoveries were within the QC limits. The relative percent difference between the spikes were within the QC limits.

Matrix spike and matrix spike duplicate analyses, identified as 2499183 and 2499184, were performed on sample 2214107020 (MSA-SW41D-030917). The spike recoveries were within the QC limits. The relative percent difference between the spikes were within the QC limits.

Matrix spike and matrix spike duplicate analyses, identified as 2499193 and 2499194, were performed on sample 2214107030 (MSA-SW44B-030917). The spike recoveries were within the QC limits. The relative percent difference between the spikes were within the QC limits.

Matrix spike and matrix spike duplicate analyses, identified as 2499197 and 2499198, were performed on sample 2214107036 (MSA-SW45D-030917). The spike recoveries were within the QC limits. The relative percent difference between the spikes were within the QC limits.

I Jennifer M. Lamoreux, as the designated Quality Assurance Officer, hereby attest that all electronic deliverables have been thoroughly reviewed and are in agreement with the associated hardcopy data. The enclosed electronic files have been reviewed for accuracy (including significant figures), completeness and format. The laboratory will be responsible for any labor time necessary to correct enclosed electronic deliverables that have been found to be in error. I can be reached at (717) 944-5541 if there are any questions or problems with the enclosed electronic deliverables.

Signature:  Title: Reporting Manager Date: 3/15/2017

SAMPLE SUMMARY

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2214107001	MSA-SW37A-030917	Water	3/9/2017 12:11	3/9/2017 20:45	Collected by Client
2214107002	MSA-SW37B-030917	Water	3/9/2017 12:13	3/9/2017 20:45	Collected by Client
2214107003	MSA-SW37C-030917	Water	3/9/2017 12:15	3/9/2017 20:45	Collected by Client
2214107004	MSA-SW37D-030917	Water	3/9/2017 12:17	3/9/2017 20:45	Collected by Client
2214107005	MSA-SW38A-030917	Water	3/9/2017 11:21	3/9/2017 20:45	Collected by Client
2214107006	MSA-SW38B-030917	Water	3/9/2017 11:25	3/9/2017 20:45	Collected by Client
2214107007	MSA-SW38C-030917	Water	3/9/2017 11:27	3/9/2017 20:45	Collected by Client
2214107008	MSA-SW38D-030917	Water	3/9/2017 11:29	3/9/2017 20:45	Collected by Client
2214107009	MSA-SW39A-030917	Water	3/9/2017 09:39	3/9/2017 20:45	Collected by Client
2214107010	MSA-SW39B-030917	Water	3/9/2017 09:36	3/9/2017 20:45	Collected by Client
2214107011	MSA-SW39C-030917	Water	3/9/2017 09:49	3/9/2017 20:45	Collected by Client
2214107012	MSA-SW39D-030917	Water	3/9/2017 09:52	3/9/2017 20:45	Collected by Client
2214107013	MSA-SW40A-030917	Water	3/9/2017 11:38	3/9/2017 20:45	Collected by Client
2214107014	MSA-SW40B-030917	Water	3/9/2017 11:43	3/9/2017 20:45	Collected by Client
2214107015	MSA-SW40C-030917	Water	3/9/2017 11:46	3/9/2017 20:45	Collected by Client
2214107016	MSA-SW40D-030917	Water	3/9/2017 11:49	3/9/2017 20:45	Collected by Client
2214107017	MSA-SW41A-030917	Water	3/9/2017 10:48	3/9/2017 20:45	Collected by Client
2214107018	MSA-SW41B-030917	Water	3/9/2017 10:49	3/9/2017 20:45	Collected by Client
2214107019	MSA-SW41C-030917	Water	3/9/2017 11:04	3/9/2017 20:45	Collected by Client
2214107020	MSA-SW41D-030917	Water	3/9/2017 11:07	3/9/2017 20:45	Collected by Client
2214107021	MSA-SW42A-030917	Water	3/9/2017 11:54	3/9/2017 20:45	Collected by Client
2214107022	MSA-SW42B-030917	Water	3/9/2017 12:02	3/9/2017 20:45	Collected by Client
2214107023	MSA-SW42C-030917	Water	3/9/2017 12:04	3/9/2017 20:45	Collected by Client
2214107024	MSA-SW42D-030917	Water	3/9/2017 12:06	3/9/2017 20:45	Collected by Client
2214107025	MSA-SW43A-030917	Water	3/9/2017 10:30	3/9/2017 20:45	Collected by Client
2214107026	MSA-SW43B-030917	Water	3/9/2017 10:32	3/9/2017 20:45	Collected by Client
2214107027	MSA-SW43C-030917	Water	3/9/2017 10:35	3/9/2017 20:45	Collected by Client
2214107028	MSA-SW43D-030917	Water	3/9/2017 10:42	3/9/2017 20:45	Collected by Client
2214107029	MSA-SW44A-030917	Water	3/9/2017 10:15	3/9/2017 20:45	Collected by Client
2214107030	MSA-SW44B-030917	Water	3/9/2017 10:20	3/9/2017 20:45	Collected by Client
2214107031	MSA-SW44C-030917	Water	3/9/2017 10:22	3/9/2017 20:45	Collected by Client
2214107032	MSA-SW44D-030917	Water	3/9/2017 10:25	3/9/2017 20:45	Collected by Client
2214107033	MSA-SW45A-030917	Water	3/9/2017 09:59	3/9/2017 20:45	Collected by Client
2214107034	MSA-SW45B-030917	Water	3/9/2017 10:01	3/9/2017 20:45	Collected by Client

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

**SAMPLE SUMMARY**

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2214107035	MSA-SW45C-030917	Water	3/9/2017 10:05	3/9/2017 20:45	Collected by Client
2214107036	MSA-SW45D-030917	Water	3/9/2017 10:07	3/9/2017 20:45	Collected by Client

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

SAMPLE SUMMARY

Workorder: 2214107 TMM075|MSA Surface Water Sampl

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

Rochester

1565 Jefferson Road, Building 300, Suite 360
Rochester, NY 14623
Phone: +1 585 288 5380 Fax: +1 585 288 8475

Chain of Custody Record

Client Contact		Project Manager: Tony Apanavage		Site Contact: Tony Apanavage		Date: 3/9/2017		COC No:	
Tel/Fax: 301-233-8230 (cell)		Lab Contact:		Carrier: FedEx				1 of 3 COCs	
Analysis Turnaround Time		Calendar (C) or Work Days (W)						Job No.	
TAT if different from Below: 1 DAY		2 weeks						SDG No.	
1 week								Sampler: S. Cameron	
2 days								Sample Specific Notes:	
1 day									
Project Name: MSA Surface Water Sampling		Sample Date		Sample Time		Sample Type		Matrix	
Site: MSA Frog Mortar Creek		3/9/2017		1211		SW		Water	
P O #		3/9/2017		1213		SW		Water	
		3/9/2017		1215		SW		Water	
		3/9/2017		1217		SW		Water	
		3/9/2017		1121		SW		Water	
		3/9/2017		1125		SW		Water	
		3/9/2017		1127		SW		Water	
		3/9/2017		1129		SW		Water	
		3/9/2017		939		SW		Water	
		3/9/2017		936		SW		Water	
		3/9/2017		949		SW		Water	
		3/9/2017		952		SW		Water	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other									
Possible Hazard Identification		Flammable		Skin Irritant		Toxic B		Unknown	
Non-Hazard									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client		Disposal By Lab		Archive For		Months	

Samples must be analyzed within 24 hours of sample time.

Relinquished by:	Company: Tetra Tech	Date/Time: 3-9-17	Received by:	Company: HCS	Date/Time: 1700 3/9
Relinquished by:	Company: HCS	Date/Time: 3/9	Received by:	Company: HCS	Date/Time: 1730 3/9
Relinquished by:	Company: HCS	Date/Time: 3/9 2040	Received by:	Company: HCS	Date/Time: 3/9 2045

Chain of Custody Record

Rochester

1565 Jefferson Road, Building 300, Suite 360
 Rochester, NY 14623
 Phone: +1 585 288 5380 Fax: +1 585 288 8475

Client Contact		Project Manager: Tony Apanavage		Site Contact: Tony Apanavage		Date: 3/9/2017		COC No:									
Tetra Tech		Tel/Fax: 301-233-8230 (cell)		Lab Contact:		Carrier: FedEx		3 of 3 COCs									
20251 Century Blvd, Suite 200		Analysis Turnaround Time		Calendar (C) or Work Days (W)		Job No.		SDG No.									
Germantown, MD 20874		☐ 2 weeks		☐ 1 week		Sampler: S. Cameron		Sample Specific Notes:									
(301) 528-3021 Phone		☐ TAT if different from Below: 1 DAY		☐ 2 days													
(301) 528-3000 FAX		☐ 1 day		☐ 1 day													
Project Name: MSA Surface Water Sampling																	
Site: MSA Frog Mortar Creek																	
P O #																	
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Disolved Hexavalent Chromium	Y	N	Initials	Cooler Temp: °C	Cooler #	Tracking #	Ship Carrier	FedEx	UPS	DHL
MSA-SW43A-030917	3/9/2017	1030	SW	Water	1		X										
MSA-SW43B-030917	3/9/2017	1032	SW	Water	1		X										
MSA-SW43C-030917	3/9/2017	1035	SW	Water	1		X										
MSA-SW43D-030917	3/9/2017	1042	SW	Water	1		X										
MSA-SW44A-030917	3/9/2017	1015	SW	Water	1		X										
MSA-SW44B-030917	3/9/2017	1020	SW	Water	1		X										
MSA-SW44C-030917	3/9/2017	1022	SW	Water	1		X										
MSA-SW44D-030917	3/9/2017	1025	SW	Water	1		X										
MSA-SW45A-030917	3/9/2017	959	SW	Water	1		X										
MSA-SW45B-030917	3/9/2017	1001	SW	Water	1		X										
MSA-SW45C-030917	3/9/2017	1005	SW	Water	1		X										
MSA-SW45D-030917	3/9/2017	1007	SW	Water	1		X										
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other																	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown																	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																	

Samples must be analyzed within 24 hours of sample time.

Relinquished by: <i>SLC</i>	Company: Tetra Tech	Date/Time: 3-9-17/	Received by: <i>James J...</i>	Company: HES	Date/Time: 3/9 1700
Relinquished by: <i>James J...</i>	Company: HES	Date/Time:	Received by: <i>PH</i>	Company: HES	Date/Time: 1730
Relinquished by: <i>PH</i>	Company: AS	Date/Time: 2045	Received by: <i>James J...</i>	Company: HES	Date/Time: 3/9 2045

Method 8260C

Volatile Organic Compounds (GC/MS)
by Method 8260C

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab File ID: BFB5159.D BFB Injection Date: 02/08/2017
Instrument ID: A3UX16 BFB Injection Time: 10:47
Analysis Batch No.: 265930

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.1
75	30.0 - 60.0 % of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.6 (0.8) 1
174	50.0 - 120.00 % of mass 95	72.1
175	5.0 - 9.0 % of mass 174	5.1 (7.1) 1
176	95.0 - 101.0 % of mass 174	70.6 (97.9) 1
177	5.0 - 9.0 % of mass 176	4.5 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-265930/8	UXM0695.D	02/08/2017	11:17
	STD8260 240-265930/9	UXM0696.D	02/08/2017	11:40
	STD8260 240-265930/10	UXM0697.D	02/08/2017	12:04
	ICIS 240-265930/11	UXM0698.D	02/08/2017	12:27
	STD8260 240-265930/12	UXM0699.D	02/08/2017	12:57
	STD8260 240-265930/13	UXM0700.D	02/08/2017	13:20
	STDA9 240-265930/15	UXM0702.D	02/08/2017	14:06
	STDA9 240-265930/16	UXM0703.D	02/08/2017	14:29
	STDA9 240-265930/17	UXM0704.D	02/08/2017	14:53
	STDA9 240-265930/18	UXM0705.D	02/08/2017	15:16
	STDA9 240-265930/19	UXM0706.D	02/08/2017	15:39
	STDA9 240-265930/20	UXM0707.D	02/08/2017	16:03
	ICV 240-265930/23	UXM0710.D	02/08/2017	17:12

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab File ID: BFB5177.D BFB Injection Date: 03/08/2017
Instrument ID: A3UX16 BFB Injection Time: 09:32
Analysis Batch No.: 269649

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.6
75	30.0 - 60.0 % of mass 95	45.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.6 (0.8) 1
174	50.0 - 120.00 % of mass 95	71.5
175	5.0 - 9.0 % of mass 174	5.1 (7.2) 1
176	95.0 - 101.0 % of mass 174	68.9 (96.4) 1
177	5.0 - 9.0 % of mass 176	4.3 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-269649/8	UXM1069.D	03/08/2017	10:00
	STD8260 240-269649/9	UXM1070.D	03/08/2017	10:23
	STD8260 240-269649/10	UXM1071.D	03/08/2017	10:46
	ICIS 240-269649/11	UXM1072.D	03/08/2017	11:10
	STD8260 240-269649/12	UXM1073.D	03/08/2017	11:33
	STD8260 240-269649/13	UXM1074.D	03/08/2017	11:56
	ICV 240-269649/22	UXM1076.D	03/08/2017	12:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab File ID: BFB5181.D BFB Injection Date: 03/13/2017
Instrument ID: A3UX16 BFB Injection Time: 10:56
Analysis Batch No.: 270300

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.2
75	30.0 - 60.0 % of mass 95	43.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.7 (0.8) 1
174	50.0 - 120.00 % of mass 95	78.9
175	5.0 - 9.0 % of mass 174	5.5 (7.0) 1
176	95.0 - 101.0 % of mass 174	77.4 (98.1) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-270300/3	UXM1128.D	03/13/2017	11:25
	LCS 240-270300/4	UXM1129.D	03/13/2017	11:48
	CCV 240-270300/5	UXM1130.D	03/13/2017	12:11
	MB 240-270300/7	UXM1132.D	03/13/2017	12:57
MSA-SW37A-030917	240-76547-1	UXM1138.D	03/13/2017	15:22
MSA-SW37B-030917	240-76547-2	UXM1139.D	03/13/2017	15:45
MSA-SW37C-030917	240-76547-3	UXM1140.D	03/13/2017	16:08
MSA-SW38D-030917	240-76547-4	UXM1141.D	03/13/2017	16:31
MSA-SW38A-030917	240-76547-5	UXM1142.D	03/13/2017	16:54
MSA-SW38B-030917	240-76547-6	UXM1143.D	03/13/2017	17:17
MSA-SW38C-030917	240-76547-7	UXM1144.D	03/13/2017	17:41
MSA-SW38D-030917	240-76547-8	UXM1145.D	03/13/2017	18:04
MSA-SW39A-030917	240-76547-9	UXM1146.D	03/13/2017	18:27
MSA-SW39B-030917	240-76547-10	UXM1147.D	03/13/2017	18:50
MSA-SW39C-030917	240-76547-11	UXM1148.D	03/13/2017	19:13
MSA-SW39D-030917	240-76547-12	UXM1149.D	03/13/2017	19:36
MSA-SW40A-030917	240-76547-13	UXM1150.D	03/13/2017	19:59
MSA-SW40B-030917	240-76547-14	UXM1151.D	03/13/2017	20:22
MSA-SW40C-030917	240-76547-15	UXM1152.D	03/13/2017	20:45
MSA-SW40D-030917	240-76547-16	UXM1153.D	03/13/2017	21:08
MSA-SW41A-030917	240-76547-17	UXM1154.D	03/13/2017	21:31
MSA-SW41B-030917	240-76547-18	UXM1155.D	03/13/2017	21:54

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab File ID: BFB1439.D BFB Injection Date: 03/10/2017
Instrument ID: A3UX17 BFB Injection Time: 15:12
Analysis Batch No.: 270112

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.2
75	30.0 - 60.0 % of mass 95	51.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.5 (0.6) 1
174	50.0 - 120.00 % of mass 95	85.6
175	5.0 - 9.0 % of mass 174	5.9 (6.9) 1
176	95.0 - 101.0 % of mass 174	84.6 (98.9) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-270112/2	UXR7196.D	03/10/2017	15:44
	STD8260 240-270112/3	UXR7197.D	03/10/2017	16:07
	STD8260 240-270112/4	UXR7198.D	03/10/2017	16:29
	STD8260 240-270112/5	UXR7199.D	03/10/2017	16:52
	STD8260 240-270112/6	UXR7200.D	03/10/2017	17:14
	STD8260 240-270112/7	UXR7201.D	03/10/2017	17:36
	ICV 240-270112/8	UXR7202.D	03/10/2017	17:59
	STDA9 240-270112/9	UXR7203.D	03/10/2017	18:21
	STDA9 240-270112/10	UXR7204.D	03/10/2017	18:44
	STDA9 240-270112/11	UXR7205.D	03/10/2017	19:06
	STDA9 240-270112/12	UXR7206.D	03/10/2017	19:28
	STDA9 240-270112/13	UXR7207.D	03/10/2017	19:50
	STDA9 240-270112/14	UXR7208.D	03/10/2017	20:12
	ICV 240-270112/15	UXR7209.D	03/10/2017	20:34

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab File ID: BFB1440.D BFB Injection Date: 03/13/2017
Instrument ID: A3UX17 BFB Injection Time: 12:30
Analysis Batch No.: 270367

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.0
75	30.0 - 60.0 % of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.5 (0.5) 1
174	50.0 - 120.00 % of mass 95	86.5
175	5.0 - 9.0 % of mass 174	6.0 (6.9) 1
176	95.0 - 101.0 % of mass 174	84.9 (98.2) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-270367/2	UXR7212.D	03/13/2017	12:55
	CCV 240-270367/3	UXR7213.D	03/13/2017	13:18
	LCS 240-270367/4	UXR7214.D	03/13/2017	13:40
	MB 240-270367/6	UXR7216.D	03/13/2017	14:25
MSA-SW41C-030917	240-76547-19	UXR7217.D	03/13/2017	15:23
MSA-SW41D-030917	240-76547-20	UXR7218.D	03/13/2017	15:45
MSA-SW42A-030917	240-76547-21	UXR7219.D	03/13/2017	16:07
MSA-SW42B-030917	240-76547-22	UXR7220.D	03/13/2017	16:29
MSA-SW42C-030917	240-76547-23	UXR7221.D	03/13/2017	16:51
MSA-SW42D-030917	240-76547-24	UXR7222.D	03/13/2017	17:13
MSA-SW43A-030917	240-76547-25	UXR7223.D	03/13/2017	17:36
MSA-SW43B-030917	240-76547-26	UXR7224.D	03/13/2017	17:58
MSA-SW43C-030917	240-76547-27	UXR7225.D	03/13/2017	18:20
MSA-SW43D-030917	240-76547-28	UXR7226.D	03/13/2017	18:42
MSA-SW44A-030917	240-76547-29	UXR7227.D	03/13/2017	19:04
MSA-SW44B-030917	240-76547-30	UXR7228.D	03/13/2017	19:26
MSA-SW44C-030917	240-76547-31	UXR7229.D	03/13/2017	19:49
MSA-SW44D-030917	240-76547-32	UXR7230.D	03/13/2017	20:11
MSA-SW45A-030917	240-76547-33	UXR7231.D	03/13/2017	20:34
MSA-SW45B-030917	240-76547-34	UXR7232.D	03/13/2017	20:56
MSA-SW45C-030917	240-76547-35	UXR7233.D	03/13/2017	21:18
MSA-SW45D-030917	240-76547-36	UXR7234.D	03/13/2017	21:40
MSA-SW46A-030917	240-76547-37	UXR7235.D	03/13/2017	22:03
MSA-SW47A-030917	240-76547-38	UXR7236.D	03/13/2017	22:25

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab File ID: BFB1441.D BFB Injection Date: 03/14/2017
Instrument ID: A3UX17 BFB Injection Time: 10:32
Analysis Batch No.: 270478

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.4
75	30.0 - 60.0 % of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	50.0 - 120.00 % of mass 95	86.8
175	5.0 - 9.0 % of mass 174	5.8 (6.7) 1
176	95.0 - 101.0 % of mass 174	83.6 (96.4) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-270478/2	UXR7237.D	03/14/2017	10:59
	CCV 240-270478/3	UXR7238.D	03/14/2017	11:22
	LCS 240-270478/4	UXR7239.D	03/14/2017	11:44
	MB 240-270478/6	UXR7241.D	03/14/2017	12:29
MSA-SW48A-030917	240-76547-39	UXR7243.D	03/14/2017	14:28
MSA-SW49A-030917	240-76547-40	UXR7244.D	03/14/2017	14:51
EL-SW01A-030917	240-76547-41	UXR7245.D	03/14/2017	15:13
EL-SW01B-030917	240-76547-42	UXR7246.D	03/14/2017	15:35
EL-SW01C-030917	240-76547-43	UXR7247.D	03/14/2017	15:57
EL-SW01D-030917	240-76547-44	UXR7248.D	03/14/2017	16:19
TB-030917	240-76547-45	UXR7249.D	03/14/2017	16:41
	240-76517-C-2 MS	UXR7262.D	03/14/2017	21:31
	240-76517-A-2 MSD	UXR7263.D	03/14/2017	21:53

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2017 11:17 Calibration End Date: 02/08/2017 13:20 Calibration ID: 38230

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-265930/8	UXM0695.D
Level 2	STD8260 240-265930/9	UXM0696.D
Level 3	STD8260 240-265930/10	UXM0697.D
Level 4	ICIS 240-265930/11	UXM0698.D
Level 5	STD8260 240-265930/12	UXM0699.D
Level 6	STD8260 240-265930/13	UXM0700.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1648 0.2371	0.1692	0.2445	0.2601	0.2654	Lin1	-0.052	0.2514			0.1000				0.9970		0.9900
Chloromethane	0.4176 0.3938	0.3642	0.3776	0.3900	0.4257	Ave		0.3948			0.1000	5.9		20.0			
Vinyl chloride	0.3830 0.3750	0.3080	0.3686	0.3646	0.4142	Ave		0.3689			0.1000	9.4		20.0			
Butadiene	0.3484 0.3252	0.2381	0.3291	0.3238	0.3641	Ave		0.3214				13.6		20.0			
Bromomethane	0.1794 0.1963	0.1680	0.1933	0.1981	0.2210	Ave		0.1927			0.0500	9.4		20.0			
Chloroethane	0.2453 0.2306	0.1810	0.2149	0.2223	0.2522	Ave		0.2244			0.0500	11.3		20.0			
Dichlorofluoromethane	0.5077 0.5236	0.4527	0.5011	0.5103	0.5663	Ave		0.5103				7.2		20.0			
Trichlorofluoromethane	0.2007 0.3322	0.2156	0.3366	0.3398	0.3782	Lin1	-0.094	0.3506			0.1000				0.9960		0.9900
Ethyl ether	0.2121 0.2339	0.2161	0.2095	0.2328	0.2556	Ave		0.2267				7.8		20.0			
Acrolein	0.0441 0.0375	0.0415	0.0358	0.0369	0.0416	Ave		0.0396				8.3		20.0			
1,1-Dichloroethene	0.2886 0.2619	0.2156	0.2493	0.2670	0.2859	Ave		0.2614			0.1000	10.3		20.0			
Acetone	++++ 0.0698	0.0989	0.0759	0.0856	0.0890	Ave		0.0838			0.0100	13.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1206 0.1526	0.1262	0.1451	0.1655	0.1714	Ave		0.1469			0.0500	14.0		20.0			
Iodomethane	0.4284 0.4153	0.3437	0.3824	0.4244	0.4536	Ave		0.4080				9.6		20.0			
Carbon disulfide	++++ 0.9426	0.8293	0.8744	0.9656	1.0423	Ave		0.9308			0.1000	8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2017 11:17 Calibration End Date: 02/08/2017 13:20 Calibration ID: 38230

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.2014 0.2040	0.1555	0.1808	0.2002	0.2159	Ave		0.1930				11.2		20.0			
Methyl acetate	0.1928 0.1423	0.1613	0.1385	0.1524	0.1649	Ave		0.1587			0.1000	12.4		20.0			
Methylene Chloride	++++ 0.3066	0.9852	0.3287	0.3276	0.3246	Lin1	0.6613	0.2969			0.1000				0.9980		0.9900
2-Methyl-2-propanol	0.0194 0.0160	0.0174	0.0155	0.0179	0.0188	Ave		0.0175				8.8		20.0			
Acrylonitrile	0.0787 0.0773	0.0707	0.0707	0.0792	0.0881	Ave		0.0774				8.3		20.0			
trans-1,2-Dichloroethene	0.3908 0.3021	0.2608	0.2594	0.3017	0.3136	Ave		0.3047			0.1000	15.7		20.0			
Methyl tert-butyl ether	0.6950 0.7470	0.6660	0.6579	0.7653	0.8048	Ave		0.7227			0.1000	8.1		20.0			
Hexane	0.3470 0.2380	0.2502	0.2515	0.2654	0.2531	Ave		0.2675				14.9		20.0			
1,1-Dichloroethane	0.5289 0.5356	0.4351	0.4707	0.5253	0.5533	Ave		0.5082			0.2000	8.9		20.0			
Vinyl acetate	0.4775 0.4322	0.4393	0.4025	0.4356	0.4609	Ave		0.4413				5.8		20.0			
cis-1,2-Dichloroethene	0.3839 0.3315	0.2759	0.2961	0.3258	0.3367	Ave		0.3250			0.1000	11.4		20.0			
2,2-Dichloropropane	0.2956 0.3630	0.3145	0.3454	0.3747	0.3844	Ave		0.3463				10.1		20.0			
2-Butanone (MEK)	0.1259 0.0860	0.1104	0.0861	0.0928	0.0999	Ave		0.1002			0.0100	15.6		20.0			
Chlorobromomethane	0.1378 0.1414	0.1098	0.1231	0.1370	0.1441	Ave		0.1322				9.9		20.0			
Tetrahydrofuran	0.0884 0.0544	0.0672	0.0515	0.0554	0.0618	Lin1	0.0260	0.0562							0.9950		0.9900
Chloroform	0.4736 0.4816	0.4116	0.4242	0.4731	0.4849	Ave		0.4582			0.2000	6.9		20.0			
1,1,1-Trichloroethane	0.3228 0.3986	0.3088	0.3648	0.3873	0.4126	Ave		0.3658			0.1000	11.5		20.0			
Cyclohexane	0.3822 0.4251	0.3558	0.3911	0.4304	0.4532	Ave		0.4063			0.1000	8.9		20.0			
1,1-Dichloropropene	0.3968 0.3935	0.3258	0.3630	0.3843	0.4157	Ave		0.3799				8.3		20.0			
Carbon tetrachloride	0.2740 0.3322	0.2705	0.2967	0.3240	0.3502	Ave		0.3079			0.1000	10.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2017 11:17 Calibration End Date: 02/08/2017 13:20 Calibration ID: 38230

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0068 0.0054	0.0053	0.0051	0.0060	0.0064	Ave		0.0058				11.4		20.0			
Benzene	1.1322 1.1868	0.9742	1.0448	1.1522	1.2464	Ave		1.1228			0.5000	8.8		20.0			
1,2-Dichloroethane	0.3413 0.3337	0.3076	0.2973	0.3297	0.3608	Ave		0.3284			0.1000	7.0		20.0			
n-Heptane	++++ 0.1058	0.7533	0.1688	0.1330	0.1264	Lin1	0.6568	0.1009							0.9950		0.9900
Trichloroethene	0.3387 0.2898	0.2398	0.2535	0.2790	0.3046	Ave		0.2843			0.1500	12.5		20.0			
Methylcyclohexane	0.3152 0.3343	0.2967	0.3159	0.3386	0.3619	Ave		0.3271			0.1000	7.0		20.0			
1,2-Dichloropropane	0.2673 0.2805	0.2220	0.2480	0.2729	0.2960	Ave		0.2644			0.1000	9.9		20.0			
Dibromomethane	0.1495 0.1371	0.1148	0.1226	0.1335	0.1522	Ave		0.1350				10.9		20.0			
1,4-Dioxane	++++ 0.0017	0.0015	0.0015	0.0018	0.0020	Ave		0.0017				11.7		20.0			
Dichlorobromomethane	0.3071 0.3373	0.2812	0.2963	0.3113	0.3539	Ave		0.3145			0.1500	8.5		20.0			
2-Chloroethyl vinyl ether	0.1020 0.1278	0.1027	0.1175	0.1262	0.1445	Ave		0.1201				13.6		20.0			
cis-1,3-Dichloropropene	0.4904 0.4546	0.3504	0.4007	0.4229	0.4801	Ave		0.4332			0.1500	12.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.1791 0.1747	0.1777	0.1749	0.1879	0.2045	Ave		0.1831			0.0500	6.3		20.0			
Toluene	1.5807 1.6126	1.3100	1.5016	1.4843	1.6616	Ave		1.5251			0.4000	8.2		20.0			
trans-1,3-Dichloropropene	0.5455 0.4937	0.4272	0.4704	0.4666	0.5340	Ave		0.4896			0.1000	9.1		20.0			
Ethyl methacrylate	0.3523 0.3793	0.3777	0.4012	0.3922	0.4262	Ave		0.3881				6.4		20.0			
1,1,2-Trichloroethane	0.2419 0.2574	0.2368	0.2476	0.2361	0.2810	Ave		0.2501			0.1000	6.8		20.0			
Tetrachloroethene	0.2644 0.2657	0.2265	0.2433	0.2494	0.2762	Ave		0.2543			0.1500	7.1		20.0			
1,3-Dichloropropane	0.4258 0.4844	0.4640	0.4728	0.4626	0.5278	Ave		0.4729				7.0		20.0			
2-Hexanone	0.1922 0.1672	0.1848	0.1854	0.1888	0.2018	Ave		0.1867			0.0500	6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930
SDG No.: _____
Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/08/2017 11:17 Calibration End Date: 02/08/2017 13:20 Calibration ID: 38230

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	0.2937 0.3013	0.2454	0.2787	0.2893	0.3224	Ave		0.2885				8.9		20.0			
Ethylene Dibromide	0.2513 0.2487	0.1951	0.2372	0.2443	0.2712	Ave		0.2413				10.5		20.0			
Chlorobenzene	1.1527 1.0056	0.8753	0.9036	0.9651	1.0385	Ave		0.9902			0.3000	10.1		20.0			
1,1,1,2-Tetrachloroethane	0.3207 0.3510	0.3023	0.3018	0.3369	0.3695	Ave		0.3304				8.2		20.0			
Ethylbenzene	0.5573 0.5456	0.4748	0.4781	0.5290	0.5713	Ave		0.5260				7.8		20.0			
m-Xylene & p-Xylene	0.7374 0.6843	0.5509	0.6226	0.6568	0.7048	Ave		0.6595				10.0		20.0			
o-Xylene	0.6736 0.6953	0.5721	0.6192	0.6710	0.7162	Ave		0.6579				8.1		20.0			
Styrene	1.0530 1.1585	0.9345	1.0311	1.1252	1.2061	Ave		1.0847			0.3000	9.1		20.0			
Bromoform	0.2210 0.1745	0.1790	0.1617	0.1757	0.1927	Ave		0.1841			0.1000	11.2		20.0			
Isopropylbenzene	1.7123 1.7084	1.3896	1.5478	1.6208	1.7853	Ave		1.6274			0.1000	8.8		20.0			
1,1,2,2-Tetrachloroethane	0.6184 0.5809	0.5680	0.5227	0.5931	0.6385	Ave		0.5869			0.3000	6.9		20.0			
Bromobenzene	0.8089 0.7120	0.6336	0.6141	0.6919	0.7270	Ave		0.6979				10.0		20.0			
1,2,3-Trichloropropane	0.1680 0.1709	0.1389	0.1627	0.1769	0.1874	Ave		0.1675				9.8		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.1516	0.1408	0.1331	0.1501	0.1823	Ave		0.1516				12.4		20.0			
N-Propylbenzene	0.8774 0.7796	0.6552	0.6660	0.7565	0.8149	Ave		0.7583				11.3		20.0			
2-Chlorotoluene	0.7018 0.6984	0.5874	0.5990	0.6711	0.7182	Ave		0.6627				8.5		20.0			
1,3,5-Trimethylbenzene	2.6463 2.4475	2.0808	2.1384	2.3631	2.5782	Ave		2.3757				9.7		20.0			
4-Chlorotoluene	0.7921 0.7218	0.6402	0.6361	0.6965	0.7518	Ave		0.7064				8.7		20.0			
tert-Butylbenzene	2.0182 2.0625	1.7307	1.7602	1.9578	2.1584	Ave		1.9480				8.7		20.0			
1,2,4-Trimethylbenzene	3.3200 2.6339	2.1678	2.2129	2.5085	2.7112	Ave		2.5924				16.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930
SDG No.: _____
Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/08/2017 11:17 Calibration End Date: 02/08/2017 13:20 Calibration ID: 38230

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.8244 2.7342	2.5123	2.3498	2.6066	2.8808	Ave		2.6514				7.6		20.0			
1,3-Dichlorobenzene	1.7262 1.3784	1.1578	1.2106	1.3360	1.4255	Ave		1.3724			0.6000	14.6		20.0			
4-Isopropyltoluene	2.4349 2.3998	1.9344	2.0990	2.2773	2.5078	Ave		2.2755				9.7		20.0			
1,4-Dichlorobenzene	++++ 1.4020	1.1493	1.2473	1.3224	1.4564	Ave		1.3155			0.5000	9.3		20.0			
n-Butylbenzene	2.2888 2.0327	1.6485	1.6774	1.8467	2.0741	Ave		1.9280				12.9		20.0			
1,2-Dichlorobenzene	1.4426 1.3362	1.0751	1.1427	1.2497	1.3690	Ave		1.2692			0.4000	11.1		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1123	0.0947	0.0943	0.1065	0.1225	Ave		0.1060			0.0500	11.3		20.0			
1,2,4-Trichlorobenzene	++++ 0.7379	0.6682	0.6057	0.6763	0.7662	Ave		0.6909			0.2000	9.1		20.0			
Hexachlorobutadiene	++++ 0.2614	0.2042	0.2086	0.2363	0.2531	Ave		0.2327				11.1		20.0			
Naphthalene	++++ 1.7405	1.5096	1.4202	1.6262	1.8750	Ave		1.6343				11.1		20.0			
1,2,3-Trichlorobenzene	++++ 0.5985	0.4882	0.4828	0.5650	0.6417	Ave		0.5553				12.5		20.0			
Dibromofluoromethane (Surr)	++++ 0.2459	0.2091	0.2210	0.2407	0.2529	Ave		0.2339				7.8		20.0			
1,2-Dichloroethane-d4 (Surr)	++++ 0.2708	0.2423	0.2463	0.2638	0.2859	Ave		0.2618				6.8		20.0			
Toluene-d8 (Surr)	++++ 1.3757	1.1090	1.3199	1.2491	1.4370	Ave		1.2982				9.7		20.0			
4-Bromofluorobenzene (Surr)	++++ 0.4778	0.4815	0.4812	0.4899	0.5226	Ave		0.4906				3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2017 14:06 Calibration End Date: 02/08/2017 16:03 Calibration ID: 38236

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-265930/15	UXM0702.D
Level 2	STDA9 240-265930/16	UXM0703.D
Level 3	STDA9 240-265930/17	UXM0704.D
Level 4	STDA9 240-265930/18	UXM0705.D
Level 5	STDA9 240-265930/19	UXM0706.D
Level 6	STDA9 240-265930/20	UXM0707.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0559 0.0271	0.0411	0.0268	0.0274	0.0278	Lin1	0.1397	0.0269							1.0000		0.9900
Diisopropyl ether	0.2137 0.2744	0.2399	0.2707	0.2661	0.2759	Ave		0.2568				9.7		20.0			
2-Chloro-1,3-butadiene	0.4261 0.4837	0.4263	0.4764	0.4809	0.4864	Ave		0.4633				6.2		20.0			
Ethyl-t-butyl ether (ETBE)	0.8646 0.9359	0.8131	0.9111	0.9128	0.9378	Ave		0.8959				5.4		20.0			
Propionitrile	0.0274 0.0284	0.0266	0.0279	0.0283	0.0293	Ave		0.0280				3.3		20.0			
Ethyl acetate	0.1834 0.1694	0.1779	0.1772	0.1728	0.1774	Ave		0.1764				2.7		20.0			
Methacrylonitrile	0.1308 0.1317	0.1200	0.1324	0.1313	0.1355	Ave		0.1303				4.1		20.0			
Tert-amyl-methyl ether (TAME)	0.7342 0.8406	0.7331	0.8145	0.8259	0.8544	Ave		0.8004				6.7		20.0			
n-Butanol	0.0045 0.0052	0.0042	0.0049	0.0051	0.0054	Ave		0.0049				9.6		20.0			
Ethyl acrylate	0.2350 0.2376	0.2484	0.2502	0.2550	0.2571	Ave		0.2472				3.7		20.0			
Methyl methacrylate	0.1843 0.1801	0.1758	0.1906	0.1867	0.1883	Ave		0.1843				3.0		20.0			
2-Nitropropane	0.0615 0.0497	0.0462	0.0506	0.0500	0.0519	Ave		0.0517				10.1		20.0			
n-Butyl acetate	0.4234 0.3298	0.3605	0.3313	0.3402	0.3513	Ave		0.3561				9.8		20.0			
1-Chlorohexane	0.4213 0.4308	0.4250	0.4440	0.4316	0.4363	Ave		0.4315				1.9		20.0			
Cyclohexanone	+++++ 0.0137	0.0116	0.0140	0.0136	0.0142	Ave		0.0134				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2017 14:06 Calibration End Date: 02/08/2017 16:03 Calibration ID: 38236

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.1928 0.2468	0.2005	0.2308	0.2258	0.2417	Lin1	-0.071	0.2419							0.9990		0.9900
1,2,3-Trimethylbenzene	2.4824 2.8101	2.4241	2.7316	2.6539	2.7707	Ave		2.6454				6.0		20.0			
Benzyl chloride	0.2263 0.2892	0.2357	0.2696	0.2602	0.2827	Lin1	-0.041	0.2826							0.9990		0.9900
1,3,5-Trichlorobenzene	0.7795 0.7930	0.7136	0.7651	0.7562	0.7600	Ave		0.7612				3.5		20.0			
2-Methylnaphthalene	0.4998 0.7711	0.5384	0.6698	0.6920	0.7439	Ave		0.6525				16.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 269649

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2017 10:00 Calibration End Date: 03/08/2017 11:56 Calibration ID: 38701

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-269649/8	UXM1069.D
Level 2	STD8260 240-269649/9	UXM1070.D
Level 3	STD8260 240-269649/10	UXM1071.D
Level 4	ICIS 240-269649/11	UXM1072.D
Level 5	STD8260 240-269649/12	UXM1073.D
Level 6	STD8260 240-269649/13	UXM1074.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.2706	0.1484	0.2845	0.2994	0.2676	Lin1	-0.100	0.2780			0.1000				0.9970		0.9900
Chloromethane	0.4639 0.4076	0.3348	0.3784	0.3726	0.4101	Ave		0.3946			0.1000	11.1		20.0			
Vinyl chloride	0.4467 0.3847	0.3116	0.3639	0.3718	0.3874	Ave		0.3777			0.1000	11.5		20.0			
Butadiene	0.3907 0.3377	0.3033	0.3341	0.3294	0.3412	Ave		0.3394				8.4		20.0			
Bromomethane	0.1978 0.1965	0.1948	0.1890	0.1848	0.2057	Ave		0.1948			0.0500	3.7		20.0			
Chloroethane	0.2214 0.2294	0.1914	0.2118	0.2132	0.2373	Ave		0.2174			0.0500	7.4		20.0			
Dichlorofluoromethane	0.5301 0.5306	0.4525	0.4869	0.4883	0.5391	Ave		0.5046				6.8		20.0			
Trichlorofluoromethane	0.2359 0.3519	0.2405	0.3440	0.3510	0.3474	Ave		0.3118			0.1000	18.3		20.0			
Ethyl ether	0.2218 0.2301	0.2177	0.2158	0.2119	0.2374	Ave		0.2225				4.3		20.0			
Acrolein	0.0332 0.0274	0.0249	0.0243	0.0268	0.0287	Ave		0.0275				11.6		20.0			
1,1-Dichloroethene	0.3220 0.2778	0.2330	0.2656	0.2566	0.2759	Ave		0.2718			0.1000	10.9		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.1588 0.1704	0.1426	0.1744	0.1781	0.1704	Ave		0.1658			0.0500	7.9		20.0			
Acetone	+++++ 0.0767	0.1535	0.0942	0.0922	0.0756	Lin1	0.1776	0.0773			0.0100				0.9940		0.9900
Iodomethane	0.4565 0.4372	0.3805	0.4045	0.3976	0.4375	Ave		0.4190				6.9		20.0			
Carbon disulfide	+++++ 0.9775	0.8688	0.9228	0.8849	0.9758	Ave		0.9260			0.1000	5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 269649

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2017 10:00 Calibration End Date: 03/08/2017 11:56 Calibration ID: 38701

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	++++ 0.2094	0.1742	0.1937	0.1886	0.2094	Ave		0.1951				7.7		20.0			
Methyl acetate	0.1613 0.1385	0.1513	0.1392	0.1379	0.1434	Ave		0.1453			0.1000	6.4		20.0			
Methylene Chloride	++++ 0.3164	0.4027	0.3016	0.2845	0.3166	Ave		0.3244			0.1000	14.1		20.0			
tert-Butyl alcohol	++++ 0.0159	0.0187	0.0160	0.0168	0.0171	Ave		0.0169				6.6		20.0			
Acrylonitrile	0.0932 0.0757	0.0779	0.0738	0.0738	0.0786	Ave		0.0788				9.3		20.0			
trans-1,2-Dichloroethene	0.4270 0.3128	0.2972	0.2920	0.2809	0.3144	Ave		0.3207			0.1000	16.7		20.0			
Methyl tert-butyl ether	0.7696 0.7305	0.6698	0.7022	0.6837	0.7494	Ave		0.7175			0.1000	5.4		20.0			
Hexane	++++ 0.2745	0.2477	0.3036	0.3266	0.2788	Ave		0.2862				10.5		20.0			
1,1-Dichloroethane	0.5266 0.5523	0.4600	0.5130	0.4897	0.5514	Ave		0.5155			0.2000	7.0		20.0			
Vinyl acetate	0.4562 0.4041	0.3949	0.3874	0.3810	0.4244	Ave		0.4080				6.9		20.0			
cis-1,2-Dichloroethene	0.3747 0.3460	0.2984	0.3201	0.3063	0.3457	Ave		0.3319			0.1000	8.7		20.0			
2,2-Dichloropropane	0.3194 0.3672	0.3389	0.3674	0.3461	0.3749	Ave		0.3523				6.0		20.0			
2-Butanone	0.1250 0.0852	0.0999	0.0942	0.0941	0.0865	Ave		0.0975			0.0100	14.9		20.0			
Bromochloromethane	0.1404 0.1424	0.1273	0.1333	0.1269	0.1419	Ave		0.1354				5.3		20.0			
Tetrahydrofuran	++++ 0.0513	0.0486	0.0510	0.0508	0.0528	Ave		0.0509				3.0		20.0			
Chloroform	0.4631 0.4927	0.4431	0.4637	0.4381	0.4912	Ave		0.4653			0.2000	5.0		20.0			
1,1,1-Trichloroethane	0.3833 0.4104	0.3571	0.3818	0.3734	0.4060	Ave		0.3853			0.1000	5.2		20.0			
Cyclohexane	0.4458 0.4611	0.3890	0.4616	0.4808	0.4587	Ave		0.4495			0.1000	7.0		20.0			
1,1-Dichloropropene	0.4761 0.4069	0.3535	0.3871	0.3796	0.4036	Ave		0.4011				10.3		20.0			
Carbon tetrachloride	0.2795 0.3356	0.2843	0.3187	0.3137	0.3364	Ave		0.3114			0.1000	7.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 269649

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/08/2017 10:00 Calibration End Date: 03/08/2017 11:56 Calibration ID: 38701

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0050 0.0052	0.0058	0.0051	0.0056	0.0055	Ave		0.0054				6.0		20.0			
Benzene	1.2096 1.2191	1.0404	1.1260	1.0851	1.2152	Ave		1.1492			0.5000	6.7		20.0			
1,2-Dichloroethane	0.3307 0.3277	0.3036	0.3133	0.3000	0.3330	Ave		0.3181			0.1000	4.5		20.0			
n-Heptane	++++ 0.1201	0.7372	0.1861	0.1683	0.1255	Lin1	0.6424	0.1144							0.9910		0.9900
Trichloroethene	0.3361 0.2948	0.2679	0.2804	0.2686	0.2947	Ave		0.2904			0.1500	8.7		20.0			
Methylcyclohexane	0.3399 0.3765	0.3044	0.3820	0.4079	0.3769	Ave		0.3646			0.1000	10.0		20.0			
1,2-Dichloropropane	0.2239 0.2830	0.2410	0.2632	0.2526	0.2879	Ave		0.2586			0.1000	9.5		20.0			
Dibromomethane	0.1592 0.1371	0.1302	0.1268	0.1269	0.1394	Ave		0.1366				9.0		20.0			
1,4-Dioxane	++++ 0.0019	0.0019	0.0019	0.0019	0.0020	Ave		0.0019				2.0		20.0			
Bromodichloromethane	0.2862 0.3335	0.2917	0.3040	0.2990	0.3355	Ave		0.3083			0.1500	6.9		20.0			
2-Chloroethyl vinyl ether	0.1188 0.1274	0.1132	0.1187	0.1215	0.1305	Ave		0.1217				5.2		20.0			
cis-1,3-Dichloropropene	0.4494 0.4514	0.3628	0.4071	0.3880	0.4449	Ave		0.4173			0.1500	8.9		20.0			
4-Methyl-2-pentanone	0.2019 0.1615	0.1745	0.1749	0.1787	0.1735	Ave		0.1775			0.0500	7.5		20.0			
Toluene	1.5232 1.6752	1.4708	1.5684	1.4985	1.6799	Ave		1.5693			0.4000	5.7		20.0			
trans-1,3-Dichloropropene	0.5258 0.4877	0.4206	0.4624	0.4460	0.4985	Ave		0.4735			0.1000	8.0		20.0			
Ethyl methacrylate	0.3515 0.3673	0.3697	0.3837	0.3778	0.3934	Ave		0.3739				3.9		20.0			
1,1,2-Trichloroethane	0.2584 0.2579	0.2296	0.2463	0.2455	0.2705	Ave		0.2514			0.1000	5.6		20.0			
Tetrachloroethene	0.3025 0.2781	0.2448	0.2677	0.2551	0.2809	Ave		0.2715			0.1500	7.5		20.0			
1,3-Dichloropropane	0.4828 0.4949	0.4654	0.4779	0.4710	0.5075	Ave		0.4833				3.2		20.0			
2-Hexanone	0.1949 0.1656	0.1858	0.1979	0.2053	0.1732	Ave		0.1871			0.0500	8.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 269649
SDG No.: _____
Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/08/2017 10:00 Calibration End Date: 03/08/2017 11:56 Calibration ID: 38701

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.2613 0.3051	0.2571	0.2781	0.2748	0.3059	Ave		0.2804				7.5		20.0			
1,2-Dibromoethane	0.2892 0.2509	0.2437	0.2442	0.2393	0.2581	Ave		0.2542				7.2		20.0			
Chlorobenzene	1.1521 1.0580	0.9115	0.9807	0.9446	1.0658	Ave		1.0188			0.3000	8.8		20.0			
1,1,1,2-Tetrachloroethane	0.3345 0.3660	0.2816	0.3405	0.3270	0.3694	Ave		0.3365				9.5		20.0			
Ethylbenzene	0.5366 0.5715	0.5048	0.5401	0.5132	0.5675	Ave		0.5389				5.1		20.0			
m-Xylene & p-Xylene	0.7466 0.7181	0.6034	0.6610	0.6457	0.7141	Ave		0.6815				7.9		20.0			
o-Xylene	0.7239 0.7248	0.6088	0.6691	0.6523	0.7431	Ave		0.6870				7.6		20.0			
Styrene	1.1950 1.2246	0.9959	1.1484	1.1008	1.2410	Ave		1.1510			0.3000	8.0		20.0			
Bromoform	0.1330 0.1704	0.1561	0.1604	0.1591	0.1722	Ave		0.1585			0.1000	8.9		20.0			
Isopropylbenzene	1.6496 1.8092	1.3914	1.6602	1.5709	1.7250	Ave		1.6344			0.1000	8.8		20.0			
1,1,2,2-Tetrachloroethane	0.6144 0.5807	0.5229	0.5923	0.5580	0.5895	Ave		0.5763			0.3000	5.5		20.0			
Bromobenzene	0.9353 0.7446	0.6498	0.7260	0.6535	0.7444	Ave		0.7422				14.0		20.0			
1,2,3-Trichloropropane	0.1466 0.1695	0.1557	0.1765	0.1642	0.1753	Ave		0.1646				7.1		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.1457	0.0887	0.1460	0.1342	0.1482	Ave		0.1326				18.9		20.0			
n-Propylbenzene	0.7567 0.8326	0.6589	0.8013	0.7341	0.8280	Ave		0.7686				8.6		20.0			
2-Chlorotoluene	0.6478 0.7349	0.6397	0.6999	0.6511	0.7494	Ave		0.6871				7.0		20.0			
1,3,5-Trimethylbenzene	2.3887 2.6566	2.0612	2.4367	2.2384	2.6709	Ave		2.4087				9.8		20.0			
4-Chlorotoluene	0.8114 0.7722	0.6668	0.7350	0.6657	0.7828	Ave		0.7390				8.3		20.0			
tert-Butylbenzene	2.3441 2.2534	1.8461	2.0946	1.9100	2.2704	Ave		2.1198				9.7		20.0			
1,2,4-Trimethylbenzene	2.6904 2.7823	2.2464	2.5455	2.3513	2.7224	Ave		2.5564				8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 269649
SDG No.: _____
Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/08/2017 10:00 Calibration End Date: 03/08/2017 11:56 Calibration ID: 38701

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.7269 2.9607	2.3671	2.7307	2.5478	2.8655	Ave		2.6998				8.0		20.0			
1,3-Dichlorobenzene	1.6310 1.4559	1.1654	1.3556	1.3009	1.4230	Ave		1.3886			0.6000	11.3		20.0			
p-Isopropyltoluene	2.4521 2.5600	2.0718	2.3444	2.2751	2.4743	Ave		2.3630				7.4		20.0			
1,4-Dichlorobenzene	1.8122 1.4702	1.2671	1.4024	1.3371	1.4583	Ave		1.4579			0.5000	13.0		20.0			
n-Butylbenzene	2.0888 2.1352	1.6578	1.9397	1.8723	2.0358	Ave		1.9549				8.9		20.0			
1,2-Dichlorobenzene	1.4618 1.3619	1.1803	1.2901	1.2593	1.3490	Ave		1.3171			0.4000	7.3		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0965	0.0592	0.0928	0.0941	0.0988	Ave		0.0883			0.0500	18.6		20.0			
1,2,4-Trichlorobenzene	++++ 0.6942	0.6194	0.6340	0.6280	0.7536	Ave		0.6658			0.2000	8.6		20.0			
Hexachlorobutadiene	0.3954 0.2792	0.2892	0.2493	0.2490	0.2917	Ave		0.2923				18.4		20.0			
Naphthalene	++++ 1.4698	1.3198	1.3144	1.4025	1.5801	Ave		1.4173				7.9		20.0			
1,2,3-Trichlorobenzene	++++ 0.5165	0.4609	0.4720	0.4832	0.5546	Ave		0.4974				7.7		20.0			
Dibromofluoromethane (Surr)	++++ 0.2463	0.2173	0.2240	0.2227	0.2492	Ave		0.2319				6.4		20.0			
1,2-Dichloroethane-d4 (Surr)	++++ 0.2593	0.2248	0.2494	0.2416	0.2693	Ave		0.2489				6.8		20.0			
Toluene-d8 (Surr)	++++ 1.4136	1.2176	1.3217	1.2733	1.4376	Ave		1.3327				7.0		20.0			
4-Bromofluorobenzene (Surr)	++++ 0.5118	0.4676	0.4760	0.4610	0.5059	Ave		0.4845				4.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112

SDG No.: _____

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2017 15:44 Calibration End Date: 03/10/2017 17:36 Calibration ID: 38794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-270112/7	UXR7201.D
Level 2	STD8260 240-270112/6	UXR7200.D
Level 3	STD8260 240-270112/5	UXR7199.D
Level 4	STD8260 240-270112/4	UXR7198.D
Level 5	STD8260 240-270112/3	UXR7197.D
Level 6	STD8260 240-270112/2	UXR7196.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1216 0.2550	0.1871	0.2212	0.2288	0.2530	Lin1	-0.088	0.2531			0.1000				0.9980		0.9900
Chloromethane	0.4797 0.3334	0.4004	0.3751	0.3600	0.3567	Ave		0.3842			0.1000	13.5		20.0			
Vinyl chloride	0.3955 0.3345	0.3652	0.3702	0.3578	0.3570	Ave		0.3634			0.1000	5.5		20.0			
Butadiene	0.3649 0.2978	0.3210	0.3300	0.3287	0.3216	Ave		0.3274				6.6		20.0			
Bromomethane	0.1839 0.0986	0.1523	0.1397	0.1380	0.1171	Qua	0.0409	0.1372	-0.000996		0.0500				0.9990		0.9900
Chloroethane	0.2061 0.1534	0.1966	0.1858	0.1789	0.1649	Ave		0.1810			0.0500	10.8		20.0			
Dichlorofluoromethane	0.4353 0.3304	0.4220	0.3973	0.3761	0.3670	Ave		0.3880				9.9		20.0			
Trichlorofluoromethane	0.2384 0.3021	0.2819	0.3062	0.3119	0.2953	Ave		0.2893			0.1000	9.3		20.0			
Ethyl ether	0.2315 0.2194	0.2188	0.2178	0.2082	0.2108	Ave		0.2178				3.8		20.0			
Acrolein	0.0409 0.0336	0.0320	0.0330	0.0322	0.0333	Ave		0.0342				9.8		20.0			
1,1-Dichloroethene	0.2737 0.2443	0.2460	0.2419	0.2358	0.2430	Ave		0.2474			0.1000	5.4		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.1423 0.1796	0.1693	0.1736	0.1781	0.1849	Ave		0.1713			0.0500	8.9		20.0			
Acetone	0.3022 0.0521	0.1030	0.0669	0.0596	0.0654	Qua	0.1279	0.0655	-0.000183		0.0100				0.9930		0.9900
Iodomethane	0.4059 0.3990	0.3789	0.4023	0.3960	0.3894	Ave		0.3952				2.5		20.0			
Carbon disulfide	0.7853 0.7817	0.7189	0.7433	0.7335	0.7460	Ave		0.7514			0.1000	3.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112

SDG No.: _____

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2017 15:44 Calibration End Date: 03/10/2017 17:36 Calibration ID: 38794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.1541 0.1631	0.1527	0.1547	0.1595	0.1590	Ave		0.1572				2.6		20.0			
Methyl acetate	0.1975 0.1681	0.1679	0.1679	0.1597	0.1640	Ave		0.1709			0.1000	7.9		20.0			
Methylene Chloride	0.8026 0.2639	0.3938	0.3131	0.2786	0.2647	Lin1	0.2741	0.2548			0.1000				1.0000		0.9900
tert-Butyl alcohol	0.0290 ++++	0.0208	0.0193	0.0194	0.0211	Ave		0.0219				18.4		20.0			
Acrylonitrile	0.0909 0.0870	0.0844	0.0876	0.0836	0.0860	Ave		0.0866				3.0		20.0			
Methyl tert-butyl ether	0.8226 0.8093	0.7455	0.7714	0.7492	0.7629	Ave		0.7768			0.1000	4.1		20.0			
trans-1,2-Dichloroethene	0.3063 0.2761	0.2638	0.2662	0.2641	0.2691	Ave		0.2743			0.1000	6.0		20.0			
Hexane	0.0703 0.0776	0.0661	0.0686	0.0697	0.0744	Ave		0.0711				5.9		20.0			
1,1-Dichloroethane	0.5118 0.4624	0.4505	0.4551	0.4469	0.4437	Ave		0.4617			0.2000	5.5		20.0			
Vinyl acetate	0.5406 0.5058	0.4151	0.4702	0.4523	0.4661	Ave		0.4750				9.2		20.0			
2,2-Dichloropropane	0.2970 0.3090	0.2843	0.2948	0.2973	0.2920	Ave		0.2957				2.7		20.0			
cis-1,2-Dichloroethene	0.3431 0.3083	0.2903	0.3029	0.3061	0.3019	Ave		0.3088			0.1000	5.8		20.0			
2-Butanone	0.1473 0.0808	0.0885	0.0854	0.0808	0.0878	Lin1	0.0574	0.0813			0.0100				0.9980		0.9900
Bromochloromethane	0.1417 0.1430	0.1350	0.1410	0.1380	0.1431	Ave		0.1403				2.3		20.0			
Tetrahydrofuran	0.0940 0.0672	0.0672	0.0669	0.0653	0.0689	Ave		0.0716				15.4		20.0			
Chloroform	0.4823 0.4639	0.4423	0.4652	0.4467	0.4575	Ave		0.4597			0.2000	3.1		20.0			
1,1,1-Trichloroethane	0.3816 0.3785	0.3615	0.3688	0.3710	0.3670	Ave		0.3714			0.1000	2.0		20.0			
Cyclohexane	0.4133 0.4363	0.3986	0.4073	0.4103	0.4318	Ave		0.4163			0.1000	3.5		20.0			
1,1-Dichloropropene	0.3925 0.3704	0.3522	0.3651	0.3522	0.3612	Ave		0.3656				4.1		20.0			
Carbon tetrachloride	0.2786 0.3416	0.2778	0.3186	0.3176	0.3251	Ave		0.3099			0.1000	8.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112
SDG No.: _____
Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2017 15:44 Calibration End Date: 03/10/2017 17:36 Calibration ID: 38794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0171 ++++	0.0114	0.0109	0.0089	0.0098	Lin1	0.0987	0.0094							0.9950		0.9900
Benzene	1.2524 1.1018	1.0972	1.0872	1.0691	1.0679	Ave		1.1126			0.5000	6.3		20.0			
1,2-Dichloroethane	0.3862 0.3576	0.3534	0.3594	0.3433	0.3508	Ave		0.3584			0.1000	4.1		20.0			
n-Heptane	0.0704 0.0800	0.0688	0.0689	0.0714	0.0745	Ave		0.0723				5.9		20.0			
Trichloroethene	0.3091 0.3023	0.2878	0.2863	0.2953	0.2953	Ave		0.2960			0.1500	2.9		20.0			
Methylcyclohexane	0.4213 0.4763	0.4025	0.4316	0.4393	0.4641	Ave		0.4392			0.1000	6.2		20.0			
1,2-Dichloropropane	0.2682 0.2576	0.2482	0.2526	0.2497	0.2523	Ave		0.2548			0.1000	2.9		20.0			
1,4-Dioxane	0.0047 ++++	0.0034	0.0027	0.0030	0.0029	Lin1	0.0174	0.0028							0.9970		0.9900
Dibromomethane	0.1836 0.1592	0.1508	0.1546	0.1531	0.1569	Ave		0.1597				7.6		20.0			
Bromodichloromethane	0.3240 0.3426	0.3060	0.3097	0.3155	0.3259	Ave		0.3206			0.1500	4.1		20.0			
2-Chloroethyl vinyl ether	0.1316 0.1539	0.1263	0.1364	0.1347	0.1395	Ave		0.1371				6.9		20.0			
cis-1,3-Dichloropropene	0.3871 0.4445	0.3694	0.3925	0.4028	0.4148	Ave		0.4019			0.1500	6.4		20.0			
4-Methyl-2-pentanone	0.2572 0.2133	0.2036	0.2124	0.2058	0.2112	Ave		0.2173			0.0500	9.2		20.0			
Toluene	1.7863 1.6150	1.6262	1.6207	1.5812	1.5701	Ave		1.6332			0.4000	4.8		20.0			
trans-1,3-Dichloropropene	0.4466 0.5283	0.4377	0.4741	0.4772	0.4942	Ave		0.4764			0.1000	6.9		20.0			
Ethyl methacrylate	0.4149 0.4411	0.3947	0.4078	0.4172	0.4264	Ave		0.4170				3.8		20.0			
1,1,2-Trichloroethane	0.3349 0.2993	0.2818	0.2996	0.2953	0.2958	Ave		0.3011			0.1000	5.9		20.0			
Tetrachloroethene	0.3380 0.3141	0.2985	0.3162	0.3128	0.3127	Ave		0.3154			0.1500	4.0		20.0			
1,3-Dichloropropane	0.5944 0.5338	0.5444	0.5524	0.5287	0.5284	Ave		0.5470				4.6		20.0			
2-Hexanone	0.2485 0.1684	0.1969	0.1811	0.1757	0.1806	Ave		0.1919			0.0500	15.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112
SDG No.: _____
Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2017 15:44 Calibration End Date: 03/10/2017 17:36 Calibration ID: 38794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.3122 0.3552	0.2888	0.3186	0.3190	0.3378	Ave		0.3219				7.0		20.0			
1,2-Dibromoethane	0.3177 0.3051	0.2890	0.3020	0.2946	0.3043	Ave		0.3021				3.3		20.0			
Chlorobenzene	1.1032 1.0588	1.0616	1.0476	1.0273	1.0304	Ave		1.0548			0.3000	2.6		20.0			
1,1,1,2-Tetrachloroethane	0.3755 0.3733	0.3372	0.3571	0.3526	0.3685	Ave		0.3607				4.0		20.0			
Ethylbenzene	0.5946 0.5771	0.5735	0.5686	0.5730	0.5709	Ave		0.5763				1.6		20.0			
m-Xylene & p-Xylene	0.7134 0.7156	0.7052	0.7139	0.6941	0.7042	Ave		0.7077				1.2		20.0			
o-Xylene	0.7501 0.7100	0.6831	0.7188	0.7008	0.7063	Ave		0.7115				3.1		20.0			
Styrene	1.0901 1.1975	1.0881	1.1257	1.1457	1.1578	Ave		1.1342			0.3000	3.7		20.0			
Bromoform	0.1946 0.2401	0.1789	0.2006	0.2071	0.2263	Ave		0.2079			0.1000	10.6		20.0			
Isopropylbenzene	1.8627 1.8586	1.7925	1.8314	1.8133	1.8468	Ave		1.8342			0.1000	1.5		20.0			
1,1,2,2-Tetrachloroethane	0.8111 0.7205	0.6986	0.7075	0.6822	0.7027	Ave		0.7204			0.3000	6.4		20.0			
Bromobenzene	0.8976 0.8739	0.8565	0.8601	0.8275	0.8262	Ave		0.8570				3.2		20.0			
1,2,3-Trichloropropane	0.3029 0.2393	0.2388	0.2487	0.2378	0.2355	Ave		0.2505				10.4		20.0			
trans-1,4-Dichloro-2-butene	0.2001 0.2092	0.1669	0.1917	0.1806	0.1922	Ave		0.1901				7.8		20.0			
n-Propylbenzene	1.0903 0.9836	0.9128	0.9557	0.9338	0.9287	Ave		0.9675				6.7		20.0			
2-Chlorotoluene	0.7980 0.8309	0.8310	0.8258	0.8115	0.7946	Ave		0.8153				2.0		20.0			
1,3,5-Trimethylbenzene	2.8378 2.8221	2.7265	2.7835	2.7375	2.7830	Ave		2.7817				1.6		20.0			
4-Chlorotoluene	0.9383 0.8672	0.8682	0.8862	0.8370	0.8172	Ave		0.8690				4.8		20.0			
tert-Butylbenzene	2.5770 2.4995	2.4736	2.4559	2.4510	2.4508	Ave		2.4846				2.0		20.0			
1,2,4-Trimethylbenzene	3.1154 2.9129	2.8548	2.8961	2.8712	2.8557	Ave		2.9177				3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112
SDG No.: _____
Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/10/2017 15:44 Calibration End Date: 03/10/2017 17:36 Calibration ID: 38794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	3.5800 3.5133	3.4932	3.4446	3.5099	3.4836	Ave		3.5041				1.3		20.0			
1,3-Dichlorobenzene	1.8026 1.6371	1.6856	1.6570	1.6479	1.6448	Ave		1.6792			0.6000	3.7		20.0			
p-Isopropyltoluene	2.8640 3.0095	2.9210	2.9737	3.0147	3.0196	Ave		2.9671				2.1		20.0			
1,4-Dichlorobenzene	1.8976 1.6831	1.7550	1.7294	1.6494	1.6656	Ave		1.7300			0.5000	5.3		20.0			
n-Butylbenzene	2.5448 2.5158	2.5481	2.5468	2.5915	2.5565	Ave		2.5506				1.0		20.0			
1,2-Dichlorobenzene	1.6334 1.5087	1.6345	1.5646	1.5785	1.5610	Ave		1.5801			0.4000	3.0		20.0			
1,2-Dibromo-3-Chloropropane	0.0989 0.1402	0.1248	0.1328	0.1395	0.1477	Ave		0.1307			0.0500	13.3		20.0			
1,2,4-Trichlorobenzene	1.0729 0.9128	1.0266	0.9878	1.1130	0.9811	Ave		1.0157			0.2000	7.0		20.0			
Hexachlorobutadiene	0.4628 0.3652	0.3953	0.3856	0.4346	0.3877	Ave		0.4052				8.9		20.0			
Naphthalene	2.7881 2.1557	2.4553	2.2882	2.6966	2.3482	Ave		2.4554				9.9		20.0			
1,2,3-Trichlorobenzene	0.9821 0.8169	0.9501	0.8656	1.0347	0.8811	Ave		0.9217				8.8		20.0			
Dibromofluoromethane (Surr)	0.2663 0.2446	0.2468	0.2393	0.2367	0.2434	Ave		0.2462				4.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3871 0.2918	0.2951	0.2930	0.2846	0.2887	Ave		0.3067				12.9		20.0			
Toluene-d8 (Surr)	1.6288 1.3625	1.4249	1.3684	1.3512	1.3726	Ave		1.4181				7.5		20.0			
4-Bromofluorobenzene (Surr)	0.6004 0.4994	0.5240	0.4946	0.4970	0.5059	Ave		0.5202				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112

SDG No.: _____

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2017 18:21 Calibration End Date: 03/10/2017 20:12 Calibration ID: 38796

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-270112/14	UXR7208.D
Level 2	STDA9 240-270112/13	UXR7207.D
Level 3	STDA9 240-270112/12	UXR7206.D
Level 4	STDA9 240-270112/11	UXR7205.D
Level 5	STDA9 240-270112/10	UXR7204.D
Level 6	STDA9 240-270112/9	UXR7203.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0286 0.0224	0.0256	0.0269	0.0264	0.0251	Ave		0.0258				8.1		20.0			
Diisopropyl ether	0.2485 0.2373	0.2431	0.2452	0.2455	0.2389	Ave		0.2431				1.8		20.0			
2-Chloro-1,3-butadiene	0.4094 0.4001	0.3984	0.3989	0.4014	0.3902	Ave		0.3997				1.5		20.0			
Ethyl-t-butyl ether (ETBE)	0.7494 0.7719	0.7459	0.7669	0.7720	0.7495	Ave		0.7593				1.6		20.0			
Ethyl acetate	0.2446 0.2046	0.2149	0.2237	0.2119	0.2087	Ave		0.2181				6.7		20.0			
Propionitrile	0.0294 0.0286	0.0305	0.0324	0.0311	0.0308	Ave		0.0305				4.3		20.0			
Methacrylonitrile	0.1520 0.1521	0.1489	0.1528	0.1519	0.1479	Ave		0.1509				1.4		20.0			
Tert-amyl-methyl ether (TAME)	0.7008 0.7599	0.7294	0.7354	0.7431	0.7449	Ave		0.7356				2.7		20.0			
n-Butanol	0.0090 ++++	0.0084	0.0085	0.0095	0.0091	Ave		0.0089				4.8		20.0			
Ethyl acrylate	0.2588 0.2699	0.2473	0.2578	0.2725	0.2712	Ave		0.2629				3.8		20.0			
Methyl methacrylate	0.1957 0.2012	0.1927	0.2008	0.2060	0.1989	Ave		0.1992				2.3		20.0			
2-Nitropropane	0.0599 0.0547	0.0534	0.0513	0.0536	0.0533	Ave		0.0544				5.4		20.0			
n-Butyl acetate	0.2148 0.2004	0.1988	0.1989	0.2139	0.2044	Ave		0.2052				3.6		20.0			
1-Chlorohexane	0.4713 0.5012	0.4584	0.4765	0.4956	0.4675	Ave		0.4784				3.5		20.0			
Cyclohexanone	0.0236 ++++	0.0249	0.0214	0.0229	0.0204	Ave		0.0227				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 270112

SDG No.: _____

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2017 18:21 Calibration End Date: 03/10/2017 20:12 Calibration ID: 38796

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.1773 0.2050	0.1714	0.1896	0.1985	0.2206	Lin1	-0.104	0.2100							0.9980		0.9900
1,2,3-Trimethylbenzene	2.7577 3.0022	2.8363	2.8712	2.9826	2.8916	Ave		2.8903				3.2		20.0			
Benzyl chloride	0.1660 0.3034	0.1802	0.2176	0.2483	0.2697	Lin1	-0.197	0.2925							0.9940		0.9900
1,3,5-Trichlorobenzene	0.9970 1.0218	1.1052	1.0956	1.1027	1.0499	Ave		1.0621				4.3		20.0			
2-Methylnaphthalene	1.4249 1.5166	1.6388	1.4833	1.5184	1.5021	Ave		1.5140				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Lab Sample ID: ICV 240-265930/23 Calibration Date: 02/08/2017 17:12
Instrument ID: A3UX16 Calib Start Date: 02/08/2017 11:17
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 02/08/2017 13:20
Lab File ID: UXM0710.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2339	0.2337		0.0200	0.0200	-0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2618	0.2582		0.0197	0.0200	-1.4	20.0
Toluene-d8 (Surr)	Ave	1.298	1.341		0.0207	0.0200	3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4906	0.5229		0.0213	0.0200	6.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICV 240-265930/23 Calibration Date: 02/08/2017 17:12
 Instrument ID: A3UX16 Calib Start Date: 02/08/2017 14:06
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 02/08/2017 16:03
 Lab File ID: UXM0710.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0264		0.191	0.200	-4.7	20.0
Diisopropyl ether	Ave	0.2568	0.2803		0.0218	0.0200	9.2	20.0
2-Chloro-1,3-butadiene	Ave	0.4633	0.4649		0.0201	0.0200	0.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8959	0.9211		0.0206	0.0200	2.8	20.0
Propionitrile	Ave	0.0280	0.0280		0.200	0.200	0.2	20.0
Ethyl acetate	Ave	0.1764	0.1679		0.0381	0.0400	-4.8	50.0
Methacrylonitrile	Ave	0.1303	0.1295		0.199	0.200	-0.6	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.8004	0.8177		0.0204	0.0200	2.2	20.0
n-Butanol	Ave	0.0049	0.0049		0.504	0.500	0.8	20.0
Ethyl acrylate	Ave	0.2472	0.2403		0.0194	0.0200	-2.8	20.0
Methyl methacrylate	Ave	0.1843	0.1797		0.0390	0.0400	-2.5	20.0
2-Nitropropane	Ave	0.0517	0.0475		0.0368	0.0400	-8.1	20.0
n-Butyl acetate	Ave	0.3561	0.3339		0.0188	0.0200	-6.2	30.0
1-Chlorohexane	Ave	0.4315	0.4137		0.0192	0.0200	-4.1	20.0
Cyclohexanone	Ave	0.0134	0.0162		0.241	0.200	20.5*	20.0
Pentachloroethane	Lin1		0.2184		0.0364	0.0400	-9.0	20.0
1,2,3-Trimethylbenzene	Ave	2.645	2.799		0.0212	0.0200	5.8	20.0
Benzyl chloride	Lin1		0.2527		0.0180	0.0200	-9.9	20.0
1,3,5-Trichlorobenzene	Ave	0.7612	0.7969		0.0209	0.0200	4.7	20.0
2-Methylnaphthalene	Ave	0.6525	0.6624		0.0406	0.0400	1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: ICV 240-269649/22 Calibration Date: 03/08/2017 12:42

Instrument ID: A3UX16 Calib Start Date: 03/08/2017 10:00

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/08/2017 11:56

Lab File ID: UXM1076.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2719	0.1000	0.0199	0.0200	-0.4	20.0
Chloromethane	Ave	0.3946	0.3908	0.1000	0.0198	0.0200	-1.0	20.0
Vinyl chloride	Ave	0.3777	0.3762	0.1000	0.0199	0.0200	-0.4	20.0
Butadiene	Ave	0.3394	0.3304		0.0195	0.0200	-2.7	30.0
Bromomethane	Ave	0.1948	0.1903	0.0500	0.0195	0.0200	-2.3	20.0
Chloroethane	Ave	0.2174	0.2233	0.0500	0.0205	0.0200	2.7	20.0
Dichlorofluoromethane	Ave	0.5046	0.4896		0.0194	0.0200	-3.0	20.0
Trichlorofluoromethane	Ave	0.3118	0.3299	0.1000	0.0212	0.0200	5.8	20.0
Ethyl ether	Ave	0.2225	0.2212		0.0199	0.0200	-0.6	20.0
Acrolein	Ave	0.0275	0.0308		0.112	0.100	12.0	50.0
1,1-Dichloroethene	Ave	0.2718	0.2590	0.1000	0.0191	0.0200	-4.7	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Ave	0.1658	0.1645	0.0500	0.0198	0.0200	-0.8	20.0
Acetone	Lin1		0.0589	0.0100	0.0282	0.0400	-29.5	50.0
Iodomethane	Ave	0.4190	0.4032		0.0192	0.0200	-3.8	20.0
Carbon disulfide	Ave	0.9260	0.9298	0.1000	0.0201	0.0200	0.4	20.0
3-Chloro-1-propene	Ave	0.1951	0.1897		0.0195	0.0200	-2.7	20.0
Methyl acetate	Ave	0.1453	0.1361	0.1000	0.0937	0.100	-6.3	20.0
Methylene Chloride	Ave	0.3244	0.2977	0.1000	0.0184	0.0200	-8.2	50.0
tert-Butyl alcohol	Ave	0.0169	0.0170		0.201	0.200	0.4	50.0
Acrylonitrile	Ave	0.0788	0.0748		0.190	0.200	-5.1	20.0
trans-1,2-Dichloroethene	Ave	0.3207	0.2907	0.1000	0.0181	0.0200	-9.4	20.0
Methyl tert-butyl ether	Ave	0.7175	0.7209	0.1000	0.0201	0.0200	0.5	20.0
Hexane	Ave	0.2862	0.2764		0.0193	0.0200	-3.4	20.0
1,1-Dichloroethane	Ave	0.5155	0.4990	0.2000	0.0194	0.0200	-3.2	20.0
Vinyl acetate	Ave	0.4080	0.3642		0.0179	0.0200	-10.7	50.0
2,2-Dichloropropane	Ave	0.3523	0.3499		0.0199	0.0200	-0.7	20.0
cis-1,2-Dichloroethene	Ave	0.3319	0.3162	0.1000	0.0191	0.0200	-4.7	20.0
2-Butanone	Ave	0.0975	0.0717	0.0100	0.0294	0.0400	-26.5*	20.0
Bromochloromethane	Ave	0.1354	0.1293		0.0191	0.0200	-4.5	20.0
Tetrahydrofuran	Ave	0.0509	0.0518		0.0407	0.0400	1.8	20.0
Chloroform	Ave	0.4653	0.4404	0.2000	0.0189	0.0200	-5.4	20.0
1,1,1-Trichloroethane	Ave	0.3853	0.3793	0.1000	0.0197	0.0200	-1.6	20.0
Cyclohexane	Ave	0.4495	0.4395	0.1000	0.0196	0.0200	-2.2	20.0
1,1-Dichloropropene	Ave	0.4011	0.3837		0.0191	0.0200	-4.3	20.0
Carbon tetrachloride	Ave	0.3114	0.3031	0.1000	0.0195	0.0200	-2.7	20.0
Isobutyl alcohol	Ave	0.0054	0.0054		0.504	0.500	0.7	20.0
1,2-Dichloroethane	Ave	0.3181	0.2972	0.1000	0.0187	0.0200	-6.6	20.0
Benzene	Ave	1.149	1.111	0.5000	0.0193	0.0200	-3.3	20.0
n-Heptane	Lin1		0.1358		0.0181	0.0200	-9.4	20.0
Trichloroethene	Ave	0.2904	0.2637	0.1500	0.0182	0.0200	-9.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: ICV 240-269649/22 Calibration Date: 03/08/2017 12:42

Instrument ID: A3UX16 Calib Start Date: 03/08/2017 10:00

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/08/2017 11:56

Lab File ID: UXM1076.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3646	0.3520	0.1000	0.0193	0.0200	-3.4	20.0
1,2-Dichloropropane	Ave	0.2586	0.2527	0.1000	0.0195	0.0200	-2.3	20.0
Dibromomethane	Ave	0.1366	0.1261		0.0185	0.0200	-7.7	20.0
1,4-Dioxane	Ave	0.0019	0.0019		0.384	0.400	-4.0	50.0
Bromodichloromethane	Ave	0.3083	0.2982	0.1500	0.0193	0.0200	-3.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1217	0.1133		0.0186	0.0200	-6.9	20.0
cis-1,3-Dichloropropene	Ave	0.4173	0.3763	0.1500	0.0180	0.0200	-9.8	20.0
4-Methyl-2-pentanone	Ave	0.1775	0.1640	0.0500	0.0370	0.0400	-7.6	20.0
Toluene	Ave	1.569	1.502	0.4000	0.0191	0.0200	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.4735	0.4357	0.1000	0.0184	0.0200	-8.0	20.0
Ethyl methacrylate	Ave	0.3739	0.3790		0.0203	0.0200	1.4	20.0
1,1,2-Trichloroethane	Ave	0.2514	0.2519	0.1000	0.0200	0.0200	0.2	20.0
1,3-Dichloropropane	Ave	0.4833	0.4548		0.0188	0.0200	-5.9	20.0
Tetrachloroethene	Ave	0.2715	0.2516	0.1500	0.0185	0.0200	-7.3	20.0
2-Hexanone	Ave	0.1871	0.1656	0.0500	0.0354	0.0400	-11.5	20.0
Dibromochloromethane	Ave	0.2804	0.2667		0.0190	0.0200	-4.9	20.0
1,2-Dibromoethane	Ave	0.2542	0.2253		0.0177	0.0200	-11.4	20.0
Chlorobenzene	Ave	1.019	0.9259	0.3000	0.0182	0.0200	-9.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3365	0.3317		0.0197	0.0200	-1.4	20.0
Ethylbenzene	Ave	0.5389	0.5057		0.0188	0.0200	-6.2	20.0
m-Xylene & p-Xylene	Ave	0.6815	0.6249		0.0183	0.0200	-8.3	20.0
o-Xylene	Ave	0.6870	0.6495		0.0189	0.0200	-5.5	20.0
Styrene	Ave	1.151	1.073	0.3000	0.0186	0.0200	-6.8	20.0
Bromoform	Ave	0.1585	0.1542	0.1000	0.0194	0.0200	-2.8	20.0
Isopropylbenzene	Ave	1.634	1.580	0.1000	0.0193	0.0200	-3.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5763	0.5612	0.3000	0.0195	0.0200	-2.6	20.0
Bromobenzene	Ave	0.7422	0.6489		0.0175	0.0200	-12.6	20.0
1,2,3-Trichloropropane	Ave	0.1646	0.1636		0.0199	0.0200	-0.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1326	0.1291		0.0195	0.0200	-2.6	20.0
n-Propylbenzene	Ave	0.7686	0.7180		0.0187	0.0200	-6.6	20.0
2-Chlorotoluene	Ave	0.6871	0.6482		0.0189	0.0200	-5.7	20.0
1,3,5-Trimethylbenzene	Ave	2.409	2.247		0.0187	0.0200	-6.7	20.0
4-Chlorotoluene	Ave	0.7390	0.6668		0.0180	0.0200	-9.8	20.0
tert-Butylbenzene	Ave	2.120	1.803		0.0170	0.0200	-14.9	20.0
1,2,4-Trimethylbenzene	Ave	2.556	2.345		0.0183	0.0200	-8.3	20.0
sec-Butylbenzene	Ave	2.700	2.435		0.0180	0.0200	-9.8	20.0
1,3-Dichlorobenzene	Ave	1.389	1.256	0.6000	0.0181	0.0200	-9.5	20.0
p-Isopropyltoluene	Ave	2.363	2.134		0.0181	0.0200	-9.7	20.0
1,4-Dichlorobenzene	Ave	1.458	1.301	0.5000	0.0179	0.0200	-10.7	20.0
n-Butylbenzene	Ave	1.955	1.763		0.0180	0.0200	-9.8	20.0
1,2-Dichlorobenzene	Ave	1.317	1.235	0.4000	0.0188	0.0200	-6.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICV 240-269649/22 Calibration Date: 03/08/2017 12:42
 Instrument ID: A3UX16 Calib Start Date: 03/08/2017 10:00
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/08/2017 11:56
 Lab File ID: UXM1076.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0883	0.0978	0.0500	0.0222	0.0200	10.8	50.0
1,2,4-Trichlorobenzene	Ave	0.6658	0.6684	0.2000	0.0201	0.0200	0.4	50.0
Hexachlorobutadiene	Ave	0.2923	0.2435		0.0167	0.0200	-16.7	20.0
Naphthalene	Ave	1.417	1.484		0.0209	0.0200	4.7	50.0
1,2,3-Trichlorobenzene	Ave	0.4974	0.5130		0.0206	0.0200	3.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2319	0.2290		0.0197	0.0200	-1.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2489	0.2469		0.0198	0.0200	-0.8	20.0
Toluene-d8 (Surr)	Ave	1.333	1.371		0.0206	0.0200	2.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4845	0.5087		0.0210	0.0200	5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: CCVIS 240-270300/3 Calibration Date: 03/13/2017 11:25

Instrument ID: A3UX16 Calib Start Date: 03/08/2017 10:00

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/08/2017 11:56

Lab File ID: UXM1128.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2927	0.1000	0.0214	0.0200	7.1	20.0
Chloromethane	Ave	0.3946	0.4141	0.1000	0.0210	0.0200	4.9	20.0
Vinyl chloride	Ave	0.3777	0.3714	0.1000	0.0197	0.0200	-1.7	20.0
Butadiene	Ave	0.3394	0.2987		0.0176	0.0200	-12.0	20.0
Bromomethane	Ave	0.1948	0.1960	0.0500	0.0201	0.0200	0.6	20.0
Chloroethane	Ave	0.2174	0.2230	0.0500	0.0205	0.0200	2.6	20.0
Dichlorofluoromethane	Ave	0.5046	0.4851		0.0192	0.0200	-3.9	20.0
Trichlorofluoromethane	Ave	0.3118	0.3241	0.1000	0.0208	0.0200	3.9	20.0
Ethyl ether	Ave	0.2225	0.2190		0.0197	0.0200	-1.6	20.0
Acrolein	Ave	0.0275	0.0294		0.107	0.100	6.6	50.0
1,1-Dichloroethene	Ave	0.2718	0.2527	0.1000	0.0186	0.0200	-7.0	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Ave	0.1658	0.1569	0.0500	0.0189	0.0200	-5.4	20.0
Acetone	Lin1		0.0872	0.0100	0.0429	0.0400	7.1	50.0
Iodomethane	Ave	0.4190	0.4168		0.0199	0.0200	-0.5	20.0
Carbon disulfide	Ave	0.9260	0.9207	0.1000	0.0199	0.0200	-0.6	20.0
3-Chloro-1-propene	Ave	0.1951	0.2024		0.0208	0.0200	3.8	20.0
Methyl acetate	Ave	0.1453	0.1417	0.1000	0.0976	0.100	-2.4	20.0
Methylene Chloride	Ave	0.3244	0.3049	0.1000	0.0188	0.0200	-6.0	50.0
tert-Butyl alcohol	Ave	0.0169	0.0180		0.213	0.200	6.6	50.0
Acrylonitrile	Ave	0.0788	0.0776		0.197	0.200	-1.6	20.0
Methyl tert-butyl ether	Ave	0.7175	0.7015	0.1000	0.0196	0.0200	-2.2	20.0
trans-1,2-Dichloroethene	Ave	0.3207	0.2945	0.1000	0.0184	0.0200	-8.2	20.0
Hexane	Ave	0.2862	0.2592		0.0181	0.0200	-9.4	20.0
1,1-Dichloroethane	Ave	0.5155	0.5062	0.2000	0.0196	0.0200	-1.8	20.0
Vinyl acetate	Ave	0.4080	0.4073		0.0200	0.0200	-0.2	50.0
cis-1,2-Dichloroethene	Ave	0.3319	0.3274	0.1000	0.0197	0.0200	-1.4	20.0
2,2-Dichloropropane	Ave	0.3523	0.3101		0.0176	0.0200	-12.0	20.0
2-Butanone	Ave	0.0975	0.0913	0.0100	0.0375	0.0400	-6.3	20.0
Bromochloromethane	Ave	0.1354	0.1345		0.0199	0.0200	-0.7	20.0
Tetrahydrofuran	Ave	0.0509	0.0558		0.0438	0.0400	9.5	20.0
Chloroform	Ave	0.4653	0.4585	0.2000	0.0197	0.0200	-1.5	20.0
1,1,1-Trichloroethane	Ave	0.3853	0.3652	0.1000	0.0190	0.0200	-5.2	20.0
Cyclohexane	Ave	0.4495	0.4076	0.1000	0.0181	0.0200	-9.3	20.0
1,1-Dichloropropene	Ave	0.4011	0.3788		0.0189	0.0200	-5.6	20.0
Carbon tetrachloride	Ave	0.3114	0.3053	0.1000	0.0196	0.0200	-1.9	20.0
Isobutyl alcohol	Ave	0.0054	0.0057		0.527	0.500	5.4	20.0
1,2-Dichloroethane	Ave	0.3181	0.3074	0.1000	0.0193	0.0200	-3.4	20.0
Benzene	Ave	1.149	1.171	0.5000	0.0204	0.0200	1.9	20.0
n-Heptane	Lin1		0.1324		0.0175	0.0200	-12.3	20.0
Trichloroethene	Ave	0.2904	0.2928	0.1500	0.0202	0.0200	0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: CCVIS 240-270300/3 Calibration Date: 03/13/2017 11:25

Instrument ID: A3UX16 Calib Start Date: 03/08/2017 10:00

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/08/2017 11:56

Lab File ID: UXM1128.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3646	0.3210	0.1000	0.0176	0.0200	-12.0	20.0
1,2-Dichloropropane	Ave	0.2586	0.2762	0.1000	0.0214	0.0200	6.8	20.0
Dibromomethane	Ave	0.1366	0.1361		0.0199	0.0200	-0.4	20.0
1,4-Dioxane	Ave	0.0019	0.0022		0.450	0.400	12.4	50.0
Bromodichloromethane	Ave	0.3083	0.3194	0.1500	0.0207	0.0200	3.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1217	0.1318		0.0433	0.0400	8.4	20.0
cis-1,3-Dichloropropene	Ave	0.4173	0.4437	0.1500	0.0213	0.0200	6.3	20.0
4-Methyl-2-pentanone	Ave	0.1775	0.1725	0.0500	0.0389	0.0400	-2.8	20.0
Toluene	Ave	1.569	1.605	0.4000	0.0205	0.0200	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.4735	0.4955	0.1000	0.0209	0.0200	4.6	20.0
Ethyl methacrylate	Ave	0.3739	0.3874		0.0207	0.0200	3.6	20.0
1,1,2-Trichloroethane	Ave	0.2514	0.2628	0.1000	0.0209	0.0200	4.6	20.0
1,3-Dichloropropane	Ave	0.4833	0.4968		0.0206	0.0200	2.8	20.0
Tetrachloroethene	Ave	0.2715	0.2641	0.1500	0.0195	0.0200	-2.7	20.0
2-Hexanone	Ave	0.1871	0.1772	0.0500	0.0379	0.0400	-5.3	20.0
Dibromochloromethane	Ave	0.2804	0.3014		0.0215	0.0200	7.5	20.0
1,2-Dibromoethane	Ave	0.2542	0.2510		0.0197	0.0200	-1.3	20.0
Chlorobenzene	Ave	1.019	1.010	0.3000	0.0198	0.0200	-0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3365	0.3474		0.0206	0.0200	3.2	20.0
Ethylbenzene	Ave	0.5389	0.5279		0.0196	0.0200	-2.1	20.0
m-Xylene & p-Xylene	Ave	0.6815	0.6596		0.0194	0.0200	-3.2	20.0
o-Xylene	Ave	0.6870	0.6688		0.0195	0.0200	-2.7	20.0
Styrene	Ave	1.151	1.153	0.3000	0.0200	0.0200	0.2	20.0
Bromoform	Ave	0.1585	0.1793	0.1000	0.0226	0.0200	13.1	20.0
Isopropylbenzene	Ave	1.634	1.634	0.1000	0.0200	0.0200	-0.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5763	0.5840	0.3000	0.0203	0.0200	1.3	20.0
Bromobenzene	Ave	0.7422	0.7227		0.0195	0.0200	-2.6	20.0
1,2,3-Trichloropropane	Ave	0.1646	0.1716		0.0209	0.0200	4.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1326	0.1607		0.0242	0.0200	21.2*	20.0
n-Propylbenzene	Ave	0.7686	0.7651		0.0199	0.0200	-0.5	20.0
2-Chlorotoluene	Ave	0.6871	0.7100		0.0207	0.0200	3.3	20.0
1,3,5-Trimethylbenzene	Ave	2.409	2.390		0.0198	0.0200	-0.8	20.0
4-Chlorotoluene	Ave	0.7390	0.7275		0.0197	0.0200	-1.6	20.0
tert-Butylbenzene	Ave	2.120	2.023		0.0191	0.0200	-4.6	20.0
1,2,4-Trimethylbenzene	Ave	2.556	2.537		0.0199	0.0200	-0.7	20.0
sec-Butylbenzene	Ave	2.700	2.555		0.0189	0.0200	-5.4	20.0
1,3-Dichlorobenzene	Ave	1.389	1.387	0.6000	0.0200	0.0200	-0.1	20.0
p-Isopropyltoluene	Ave	2.363	2.281		0.0193	0.0200	-3.5	20.0
1,4-Dichlorobenzene	Ave	1.458	1.410	0.5000	0.0193	0.0200	-3.3	20.0
n-Butylbenzene	Ave	1.955	1.854		0.0190	0.0200	-5.1	20.0
1,2-Dichlorobenzene	Ave	1.317	1.302	0.4000	0.0198	0.0200	-1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-270300/3 Calibration Date: 03/13/2017 11:25
 Instrument ID: A3UX16 Calib Start Date: 03/08/2017 10:00
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/08/2017 11:56
 Lab File ID: UXM1128.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0883	0.1008	0.0500	0.0229	0.0200	14.3	50.0
1,2,4-Trichlorobenzene	Ave	0.6658	0.7013	0.2000	0.0211	0.0200	5.3	50.0
Hexachlorobutadiene	Ave	0.2923	0.2456		0.0168	0.0200	-16.0	20.0
Naphthalene	Ave	1.417	1.490		0.0210	0.0200	5.1	50.0
1,2,3-Trichlorobenzene	Ave	0.4974	0.5299		0.0213	0.0200	6.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2319	0.2300		0.0198	0.0200	-0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2489	0.2402		0.0193	0.0200	-3.5	20.0
Toluene-d8 (Surr)	Ave	1.333	1.362		0.0204	0.0200	2.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4845	0.5196		0.0215	0.0200	7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: CCV 240-270300/5 Calibration Date: 03/13/2017 12:11
 Instrument ID: A3UX16 Calib Start Date: 02/08/2017 14:06
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 02/08/2017 16:03
 Lab File ID: UXM1130.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0260		0.188	0.200	-6.2	20.0
Diisopropyl ether	Ave	0.2568	0.2639		0.0206	0.0200	2.8	20.0
2-Chloro-1,3-butadiene	Ave	0.4633	0.4569		0.0197	0.0200	-1.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8959	0.8672		0.0194	0.0200	-3.2	20.0
Propionitrile	Ave	0.0280	0.0272		0.194	0.200	-2.8	20.0
Ethyl acetate	Ave	0.1764	0.1603		0.0364	0.0400	-9.1	50.0
Methacrylonitrile	Ave	0.1303	0.1210		0.186	0.200	-7.1	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.8004	0.7840		0.0196	0.0200	-2.1	20.0
n-Butanol	Ave	0.0049	0.0049		0.499	0.500	-0.2	20.0
Ethyl acrylate	Ave	0.2472	0.2325		0.0188	0.0200	-5.9	20.0
Methyl methacrylate	Ave	0.1843	0.1636		0.0355	0.0400	-11.2	20.0
2-Nitropropane	Ave	0.0517	0.0399		0.0309	0.0400	-22.7*	20.0
n-Butyl acetate	Ave	0.3561	0.3167		0.0178	0.0200	-11.0	20.0
1-Chlorohexane	Ave	0.4315	0.4229		0.0196	0.0200	-2.0	20.0
Cyclohexanone	Ave	0.0134	0.0149		0.222	0.200	11.1	20.0
Pentachloroethane	Lin1		0.2223		0.0371	0.0400	-7.4	
1,2,3-Trimethylbenzene	Ave	2.645	2.756		0.0208	0.0200	4.2	20.0
Benzyl chloride	Lin1		0.2670		0.0190	0.0200	-4.8	
1,3,5-Trichlorobenzene	Ave	0.7612	0.7970		0.0209	0.0200	4.7	20.0
2-Methylnaphthalene	Ave	0.6525	0.3732		0.0229	0.0400	-42.8*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: ICV 240-270112/8 Calibration Date: 03/10/2017 17:59

Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36

Lab File ID: UXR7202.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.1772	0.1000	0.00735	0.0100	-26.5*	20.0
Chloromethane	Ave	0.3842	0.3268	0.1000	0.00851	0.0100	-14.9	20.0
Vinyl chloride	Ave	0.3634	0.3412	0.1000	0.00939	0.0100	-6.1	20.0
Butadiene	Ave	0.3274	0.2903		0.00887	0.0100	-11.3	30.0
Bromomethane	Qua		0.1048	0.0500	0.00778	0.0100	-22.2*	20.0
Chloroethane	Ave	0.1810	0.1574	0.0500	0.00870	0.0100	-13.0	20.0
Dichlorofluoromethane	Ave	0.3880	0.3344		0.00862	0.0100	-13.8	20.0
Trichlorofluoromethane	Ave	0.2893	0.2630	0.1000	0.00909	0.0100	-9.1	20.0
Ethyl ether	Ave	0.2178	0.2181		0.0100	0.0100	0.2	20.0
Acrolein	Ave	0.0342	0.0378		0.0554	0.0500	10.7	50.0
1,1-Dichloroethene	Ave	0.2474	0.2427	0.1000	0.00981	0.0100	-1.9	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Ave	0.1713	0.1771	0.0500	0.0103	0.0100	3.4	20.0
Acetone	Qua		0.0713	0.0100	0.0211	0.0200	5.3	50.0
Iodomethane	Ave	0.3952	0.3804		0.00962	0.0100	-3.8	20.0
Carbon disulfide	Ave	0.7514	0.7442	0.1000	0.00990	0.0100	-1.0	20.0
3-Chloro-1-propene	Ave	0.1572	0.1580		0.0101	0.0100	0.5	20.0
Methyl acetate	Ave	0.1709	0.1643	0.1000	0.0481	0.0500	-3.8	20.0
Methylene Chloride	Lin1		0.2824	0.1000	0.0100	0.0100	0.0	50.0
tert-Butyl alcohol	Ave	0.0219	0.0147		0.0672	0.100	-32.8	50.0
Acrylonitrile	Ave	0.0866	0.0840		0.0970	0.100	-3.0	20.0
Methyl tert-butyl ether	Ave	0.7768	0.7653	0.1000	0.00985	0.0100	-1.5	20.0
trans-1,2-Dichloroethene	Ave	0.2743	0.2764	0.1000	0.0101	0.0100	0.8	20.0
Hexane	Ave	0.0711	0.0749		0.0105	0.0100	5.3	20.0
1,1-Dichloroethane	Ave	0.4617	0.4557	0.2000	0.00987	0.0100	-1.3	20.0
Vinyl acetate	Ave	0.4750	0.4470		0.00941	0.0100	-5.9	50.0
2,2-Dichloropropane	Ave	0.2957	0.2779		0.00940	0.0100	-6.0	20.0
2-Butanone	Lin1		0.0923	0.0100	0.0220	0.0200	9.9	20.0
cis-1,2-Dichloroethene	Ave	0.3088	0.3024	0.1000	0.00979	0.0100	-2.1	20.0
Bromochloromethane	Ave	0.1403	0.1390		0.00991	0.0100	-0.9	20.0
Tetrahydrofuran	Ave	0.0716	0.0687		0.0192	0.0200	-4.0	20.0
Chloroform	Ave	0.4597	0.4562	0.2000	0.00993	0.0100	-0.7	20.0
1,1,1-Trichloroethane	Ave	0.3714	0.3711	0.1000	0.00999	0.0100	-0.0	20.0
Cyclohexane	Ave	0.4163	0.4402	0.1000	0.0106	0.0100	5.7	20.0
1,1-Dichloropropene	Ave	0.3656	0.3838		0.0105	0.0100	5.0	20.0
Carbon tetrachloride	Ave	0.3099	0.3074	0.1000	0.00992	0.0100	-0.8	20.0
Isobutyl alcohol	Lin1		0.0066		0.165	0.250	-34.2*	20.0
Benzene	Ave	1.113	1.102	0.5000	0.00991	0.0100	-0.9	20.0
1,2-Dichloroethane	Ave	0.3584	0.3583	0.1000	0.0100	0.0100	-0.0	20.0
n-Heptane	Ave	0.0723	0.0770		0.0106	0.0100	6.5	20.0
Trichloroethene	Ave	0.2960	0.2864	0.1500	0.00967	0.0100	-3.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: ICV 240-270112/8 Calibration Date: 03/10/2017 17:59

Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36

Lab File ID: UXR7202.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4392	0.4578	0.1000	0.0104	0.0100	4.2	20.0
1,2-Dichloropropane	Ave	0.2548	0.2554	0.1000	0.0100	0.0100	0.3	20.0
1,4-Dioxane	Lin1		0.0012		0.0781	0.200	-60.9*	50.0
Dibromomethane	Ave	0.1597	0.1495		0.00936	0.0100	-6.4	20.0
Bromodichloromethane	Ave	0.3206	0.3226	0.1500	0.0101	0.0100	0.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1371	0.1306		0.00953	0.0100	-4.7	20.0
cis-1,3-Dichloropropene	Ave	0.4019	0.3922	0.1500	0.00976	0.0100	-2.4	20.0
4-Methyl-2-pentanone	Ave	0.2173	0.2100	0.0500	0.0193	0.0200	-3.3	20.0
Toluene	Ave	1.633	1.598	0.4000	0.00978	0.0100	-2.2	20.0
trans-1,3-Dichloropropene	Ave	0.4764	0.4580	0.1000	0.00962	0.0100	-3.8	20.0
Ethyl methacrylate	Ave	0.4170	0.4132		0.00991	0.0100	-0.9	20.0
1,1,2-Trichloroethane	Ave	0.3011	0.3049	0.1000	0.0101	0.0100	1.3	20.0
Tetrachloroethene	Ave	0.3154	0.3170	0.1500	0.0101	0.0100	0.5	20.0
1,3-Dichloropropane	Ave	0.5470	0.5269		0.00963	0.0100	-3.7	20.0
2-Hexanone	Ave	0.1919	0.1837	0.0500	0.0191	0.0200	-4.3	20.0
Dibromochloromethane	Ave	0.3219	0.3127		0.00971	0.0100	-2.9	20.0
1,2-Dibromoethane	Ave	0.3021	0.2959		0.00980	0.0100	-2.0	20.0
Chlorobenzene	Ave	1.055	1.039	0.3000	0.00985	0.0100	-1.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3607	0.3593		0.00996	0.0100	-0.4	20.0
Ethylbenzene	Ave	0.5763	0.5778		0.0100	0.0100	0.3	20.0
m-Xylene & p-Xylene	Ave	0.7077	0.7045		0.00995	0.0100	-0.5	20.0
o-Xylene	Ave	0.7115	0.7025		0.00987	0.0100	-1.3	20.0
Styrene	Ave	1.134	1.167	0.3000	0.0103	0.0100	2.9	20.0
Bromoform	Ave	0.2079	0.1986	0.1000	0.00955	0.0100	-4.5	20.0
Isopropylbenzene	Ave	1.834	1.832	0.1000	0.00999	0.0100	-0.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7204	0.6953	0.3000	0.00965	0.0100	-3.5	20.0
Bromobenzene	Ave	0.8570	0.8220		0.00959	0.0100	-4.1	20.0
1,2,3-Trichloropropane	Ave	0.2505	0.2415		0.00964	0.0100	-3.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1901	0.1911		0.0100	0.0100	0.5	20.0
n-Propylbenzene	Ave	0.9675	0.9394		0.00971	0.0100	-2.9	20.0
2-Chlorotoluene	Ave	0.8153	0.8151		0.0100	0.0100	-0.0	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.762		0.00993	0.0100	-0.7	20.0
4-Chlorotoluene	Ave	0.8690	0.8506		0.00979	0.0100	-2.1	20.0
tert-Butylbenzene	Ave	2.485	2.406		0.00968	0.0100	-3.2	20.0
1,2,4-Trimethylbenzene	Ave	2.918	2.784		0.00954	0.0100	-4.6	20.0
sec-Butylbenzene	Ave	3.504	3.378		0.00964	0.0100	-3.6	20.0
1,3-Dichlorobenzene	Ave	1.679	1.609	0.6000	0.00958	0.0100	-4.2	20.0
p-Isopropyltoluene	Ave	2.967	2.878		0.00970	0.0100	-3.0	20.0
1,4-Dichlorobenzene	Ave	1.730	1.653	0.5000	0.00956	0.0100	-4.4	20.0
n-Butylbenzene	Ave	2.551	2.474		0.00970	0.0100	-3.0	20.0
1,2-Dichlorobenzene	Ave	1.580	1.544	0.4000	0.00977	0.0100	-2.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICV 240-270112/8 Calibration Date: 03/10/2017 17:59
 Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36
 Lab File ID: UXR7202.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1307	0.1264	0.0500	0.00967	0.0100	-3.3	50.0
1,2,4-Trichlorobenzene	Ave	1.016	0.8901	0.2000	0.00876	0.0100	-12.4	50.0
Hexachlorobutadiene	Ave	0.4052	0.3509		0.00866	0.0100	-13.4	20.0
Naphthalene	Ave	2.455	2.100		0.00855	0.0100	-14.5	50.0
1,2,3-Trichlorobenzene	Ave	0.9217	0.8025		0.00871	0.0100	-12.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2462	0.2164		0.00879	0.0100	-12.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3067	0.2738		0.00893	0.0100	-10.7	20.0
Toluene-d8 (Surr)	Ave	1.418	1.258		0.00887	0.0100	-11.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5202	0.4481		0.00861	0.0100	-13.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICV 240-270112/15 Calibration Date: 03/10/2017 20:34
 Instrument ID: A3UX17 Calib Start Date: 03/10/2017 18:21
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 20:12
 Lab File ID: UXR7209.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0258	0.0266		0.103	0.100	3.2	20.0
Diisopropyl ether	Ave	0.2431	0.2500		0.0103	0.0100	2.9	20.0
2-Chloro-1,3-butadiene	Ave	0.3997	0.4067		0.0102	0.0100	1.7	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7593	0.7796		0.0103	0.0100	2.7	20.0
Ethyl acetate	Ave	0.2181	0.2003		0.0184	0.0200	-8.1	50.0
Propionitrile	Ave	0.0305	0.0301		0.0987	0.100	-1.3	20.0
Methacrylonitrile	Ave	0.1509	0.1459		0.0966	0.100	-3.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7356	0.7541		0.0103	0.0100	2.5	20.0
n-Butanol	Ave	0.0089	0.0049		0.137	0.250	-45.2*	20.0
Ethyl acrylate	Ave	0.2629	0.2504		0.00952	0.0100	-4.8	20.0
Methyl methacrylate	Ave	0.1992	0.1909		0.0192	0.0200	-4.2	20.0
2-Nitropropane	Ave	0.0544	0.0504		0.0185	0.0200	-7.3	20.0
n-Butyl acetate	Ave	0.2052	0.1875		0.00914	0.0100	-8.6	30.0
1-Chlorohexane	Ave	0.4784	0.4642		0.00970	0.0100	-3.0	20.0
Cyclohexanone	Ave	0.0227	0.0115		0.0507	0.100	-49.3*	20.0
Pentachloroethane	Lin1		0.1705		0.0167	0.0200	-16.3	20.0
1,2,3-Trimethylbenzene	Ave	2.890	2.881		0.00997	0.0100	-0.3	20.0
Benzyl chloride	Lin1		0.2248		0.00836	0.0100	-16.4	20.0
1,3,5-Trichlorobenzene	Ave	1.062	1.044		0.00983	0.0100	-1.7	20.0
2-Methylnaphthalene	Ave	1.514	1.378		0.0182	0.0200	-9.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: CCVIS 240-270367/2 Calibration Date: 03/13/2017 12:55

Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36

Lab File ID: UXR7212.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2932	0.1000	0.0119	0.0100	19.3	20.0
Chloromethane	Ave	0.3842	0.3738	0.1000	0.00973	0.0100	-2.7	20.0
Vinyl chloride	Ave	0.3634	0.3647	0.1000	0.0100	0.0100	0.4	20.0
Butadiene	Ave	0.3274	0.3283		0.0100	0.0100	0.3	20.0
Bromomethane	Qua		0.0874	0.0500	0.00636	0.0100	-36.4*	20.0
Chloroethane	Ave	0.1810	0.1396	0.0500	0.00771	0.0100	-22.9*	20.0
Dichlorofluoromethane	Ave	0.3880	0.3218		0.00829	0.0100	-17.1	20.0
Trichlorofluoromethane	Ave	0.2893	0.2997	0.1000	0.0104	0.0100	3.6	20.0
Ethyl ether	Ave	0.2178	0.2134		0.00980	0.0100	-2.0	20.0
Acrolein	Ave	0.0342	0.0331		0.0484	0.0500	-3.1	50.0
1,1-Dichloroethene	Ave	0.2474	0.2378	0.1000	0.00961	0.0100	-3.9	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Ave	0.1713	0.1798	0.0500	0.0105	0.0100	5.0	20.0
Acetone	Qua		0.0575	0.0100	0.0164	0.0200	-18.2	50.0
Iodomethane	Ave	0.3952	0.3792		0.00959	0.0100	-4.1	20.0
Carbon disulfide	Ave	0.7514	0.7290	0.1000	0.00970	0.0100	-3.0	20.0
3-Chloro-1-propene	Ave	0.1572	0.1555		0.00989	0.0100	-1.1	20.0
Methyl acetate	Ave	0.1709	0.1716	0.1000	0.0502	0.0500	0.5	20.0
Methylene Chloride	Lin1		0.2695	0.1000	0.00950	0.0100	-5.0	50.0
tert-Butyl alcohol	Ave	0.0219	0.0177		0.0805	0.100	-19.5	50.0
Acrylonitrile	Ave	0.0866	0.0881		0.102	0.100	1.8	20.0
Methyl tert-butyl ether	Ave	0.7768	0.7781	0.1000	0.0100	0.0100	0.2	20.0
trans-1,2-Dichloroethene	Ave	0.2743	0.2638	0.1000	0.00962	0.0100	-3.8	20.0
Hexane	Ave	0.0711	0.0704		0.00990	0.0100	-1.0	20.0
1,1-Dichloroethane	Ave	0.4617	0.4435	0.2000	0.00960	0.0100	-4.0	20.0
Vinyl acetate	Ave	0.4750	0.4773		0.0100	0.0100	0.5	50.0
2,2-Dichloropropane	Ave	0.2957	0.2995		0.0101	0.0100	1.3	20.0
cis-1,2-Dichloroethene	Ave	0.3088	0.2973	0.1000	0.00963	0.0100	-3.7	20.0
2-Butanone	Lin1		0.0878	0.0100	0.0209	0.0200	4.5	20.0
Bromochloromethane	Ave	0.1403	0.1382		0.00985	0.0100	-1.5	20.0
Tetrahydrofuran	Ave	0.0716	0.0691		0.0193	0.0200	-3.5	20.0
Chloroform	Ave	0.4597	0.4487	0.2000	0.00976	0.0100	-2.4	20.0
1,1,1-Trichloroethane	Ave	0.3714	0.3694	0.1000	0.00995	0.0100	-0.5	20.0
Cyclohexane	Ave	0.4163	0.4248	0.1000	0.0102	0.0100	2.1	20.0
1,1-Dichloropropene	Ave	0.3656	0.3668		0.0100	0.0100	0.3	20.0
Carbon tetrachloride	Ave	0.3099	0.3318	0.1000	0.0107	0.0100	7.1	20.0
Isobutyl alcohol	Lin1		0.0081		0.206	0.250	-17.7	20.0
Benzene	Ave	1.113	1.053	0.5000	0.00947	0.0100	-5.3	20.0
1,2-Dichloroethane	Ave	0.3584	0.3568	0.1000	0.00995	0.0100	-0.5	20.0
n-Heptane	Ave	0.0723	0.0746		0.0103	0.0100	3.2	20.0
Trichloroethene	Ave	0.2960	0.2919	0.1500	0.00986	0.0100	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: CCVIS 240-270367/2 Calibration Date: 03/13/2017 12:55

Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36

Lab File ID: UXR7212.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4392	0.4605	0.1000	0.0105	0.0100	4.9	20.0
1,2-Dichloropropane	Ave	0.2548	0.2499	0.1000	0.00981	0.0100	-1.9	20.0
1,4-Dioxane	Lin1		0.0014		0.0898	0.200	-55.1*	50.0
Dibromomethane	Ave	0.1597	0.1600		0.0100	0.0100	0.2	20.0
Bromodichloromethane	Ave	0.3206	0.3219	0.1500	0.0100	0.0100	0.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1371	0.1428		0.0208	0.0200	4.2	20.0
cis-1,3-Dichloropropene	Ave	0.4019	0.4136	0.1500	0.0103	0.0100	2.9	20.0
4-Methyl-2-pentanone	Ave	0.2173	0.2163	0.0500	0.0199	0.0200	-0.4	20.0
Toluene	Ave	1.633	1.563	0.4000	0.00957	0.0100	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.4764	0.5080	0.1000	0.0107	0.0100	6.7	20.0
Ethyl methacrylate	Ave	0.4170	0.4263		0.0102	0.0100	2.2	20.0
1,1,2-Trichloroethane	Ave	0.3011	0.2994	0.1000	0.00994	0.0100	-0.6	20.0
Tetrachloroethene	Ave	0.3154	0.3218	0.1500	0.0102	0.0100	2.0	20.0
1,3-Dichloropropane	Ave	0.5470	0.5334		0.00975	0.0100	-2.5	20.0
2-Hexanone	Ave	0.1919	0.1851	0.0500	0.0193	0.0200	-3.5	20.0
Dibromochloromethane	Ave	0.3219	0.3413		0.0106	0.0100	6.0	20.0
1,2-Dibromoethane	Ave	0.3021	0.3074		0.0102	0.0100	1.8	20.0
Chlorobenzene	Ave	1.055	1.036	0.3000	0.00982	0.0100	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3607	0.3706		0.0103	0.0100	2.7	20.0
Ethylbenzene	Ave	0.5763	0.5663		0.00983	0.0100	-1.7	20.0
m-Xylene & p-Xylene	Ave	0.7077	0.7038		0.00994	0.0100	-0.6	20.0
o-Xylene	Ave	0.7115	0.6969		0.00979	0.0100	-2.1	20.0
Styrene	Ave	1.134	1.139	0.3000	0.0100	0.0100	0.4	20.0
Bromoform	Ave	0.2079	0.2260	0.1000	0.0109	0.0100	8.7	20.0
Isopropylbenzene	Ave	1.834	1.830	0.1000	0.00997	0.0100	-0.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7204	0.7063	0.3000	0.00980	0.0100	-2.0	20.0
Bromobenzene	Ave	0.8570	0.8389		0.00979	0.0100	-2.1	20.0
1,2,3-Trichloropropane	Ave	0.2505	0.2460		0.00982	0.0100	-1.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1901	0.2143		0.0113	0.0100	12.7	20.0
n-Propylbenzene	Ave	0.9675	0.9336		0.00965	0.0100	-3.5	20.0
2-Chlorotoluene	Ave	0.8153	0.8036		0.00986	0.0100	-1.4	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.772		0.00996	0.0100	-0.4	20.0
4-Chlorotoluene	Ave	0.8690	0.8361		0.00962	0.0100	-3.8	20.0
tert-Butylbenzene	Ave	2.485	2.452		0.00987	0.0100	-1.3	20.0
1,2,4-Trimethylbenzene	Ave	2.918	2.853		0.00978	0.0100	-2.2	20.0
sec-Butylbenzene	Ave	3.504	3.407		0.00972	0.0100	-2.8	20.0
1,3-Dichlorobenzene	Ave	1.679	1.641	0.6000	0.00978	0.0100	-2.2	20.0
p-Isopropyltoluene	Ave	2.967	3.011		0.0101	0.0100	1.5	20.0
1,4-Dichlorobenzene	Ave	1.730	1.654	0.5000	0.00956	0.0100	-4.4	20.0
n-Butylbenzene	Ave	2.551	2.522		0.00989	0.0100	-1.1	20.0
1,2-Dichlorobenzene	Ave	1.580	1.570	0.4000	0.00994	0.0100	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-270367/2 Calibration Date: 03/13/2017 12:55
 Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36
 Lab File ID: UXR7212.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1307	0.1411	0.0500	0.0108	0.0100	8.0	50.0
1,2,4-Trichlorobenzene	Ave	1.016	0.9678	0.2000	0.00953	0.0100	-4.7	50.0
Hexachlorobutadiene	Ave	0.4052	0.3851		0.00950	0.0100	-5.0	20.0
Naphthalene	Ave	2.455	2.333		0.00950	0.0100	-5.0	50.0
1,2,3-Trichlorobenzene	Ave	0.9217	0.8787		0.00953	0.0100	-4.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2462	0.2198		0.00893	0.0100	-10.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3067	0.2673		0.00871	0.0100	-12.9	20.0
Toluene-d8 (Surr)	Ave	1.418	1.247		0.00879	0.0100	-12.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5202	0.4660		0.00896	0.0100	-10.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: CCV 240-270367/3 Calibration Date: 03/13/2017 13:18
 Instrument ID: A3UX17 Calib Start Date: 03/10/2017 18:21
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 20:12
 Lab File ID: UXR7213.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0258	0.0261		0.101	0.100	1.1	20.0
Diisopropyl ether	Ave	0.2431	0.2414		0.00993	0.0100	-0.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3997	0.3884		0.00972	0.0100	-2.8	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7593	0.7649		0.0101	0.0100	0.7	20.0
Ethyl acetate	Ave	0.2181	0.2110		0.0194	0.0200	-3.2	50.0
Propionitrile	Ave	0.0305	0.0311		0.102	0.100	2.0	20.0
Methacrylonitrile	Ave	0.1509	0.1473		0.0976	0.100	-2.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7356	0.7596		0.0103	0.0100	3.3	20.0
n-Butanol	Ave	0.0089	0.0058		0.164	0.250	-34.6*	20.0
Ethyl acrylate	Ave	0.2629	0.2698		0.0103	0.0100	2.6	20.0
Methyl methacrylate	Ave	0.1992	0.1960		0.0197	0.0200	-1.6	20.0
2-Nitropropane	Ave	0.0544	0.0582		0.0214	0.0200	7.1	20.0
n-Butyl acetate	Ave	0.2052	0.1915		0.00933	0.0100	-6.7	20.0
1-Chlorohexane	Ave	0.4784	0.4680		0.00978	0.0100	-2.2	20.0
Cyclohexanone	Ave	0.0227	0.0135		0.0596	0.100	-40.4*	20.0
Pentachloroethane	Lin1		0.2230		0.0217	0.0200	8.7	
1,2,3-Trimethylbenzene	Ave	2.890	2.863		0.00991	0.0100	-0.9	20.0
Benzyl chloride	Lin1		0.2959		0.0108	0.0100	7.9	
1,3,5-Trichlorobenzene	Ave	1.062	1.102		0.0104	0.0100	3.8	20.0
2-Methylnaphthalene	Ave	1.514	1.459		0.0193	0.0200	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: CCVIS 240-270478/2 Calibration Date: 03/14/2017 10:59

Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36

Lab File ID: UXR7237.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2953	0.1000	0.0120	0.0100	20.2*	20.0
Chloromethane	Ave	0.3842	0.3419	0.1000	0.00890	0.0100	-11.0	20.0
Vinyl chloride	Ave	0.3634	0.3751	0.1000	0.0103	0.0100	3.2	20.0
Butadiene	Ave	0.3274	0.3411		0.0104	0.0100	4.2	20.0
Bromomethane	Qua		0.0658	0.0500	0.00465	0.0100	-53.5*	20.0
Chloroethane	Ave	0.1810	0.0996	0.0500	0.00551	0.0100	-44.9*	20.0
Dichlorofluoromethane	Ave	0.3880	0.2575		0.00663	0.0100	-33.7*	20.0
Trichlorofluoromethane	Ave	0.2893	0.2975	0.1000	0.0103	0.0100	2.8	20.0
Ethyl ether	Ave	0.2178	0.2192		0.0101	0.0100	0.6	20.0
Acrolein	Ave	0.0342	0.0335		0.0490	0.0500	-1.9	50.0
1,1-Dichloroethene	Ave	0.2474	0.2495	0.1000	0.0101	0.0100	0.8	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Ave	0.1713	0.1903	0.0500	0.0111	0.0100	11.1	20.0
Acetone	Qua		0.0885	0.0100	0.0271	0.0200	35.6	50.0
Iodomethane	Ave	0.3952	0.3781		0.00957	0.0100	-4.3	20.0
Carbon disulfide	Ave	0.7514	0.7378	0.1000	0.00982	0.0100	-1.8	20.0
3-Chloro-1-propene	Ave	0.1572	0.1596		0.0102	0.0100	1.5	20.0
Methyl acetate	Ave	0.1709	0.1732	0.1000	0.0507	0.0500	1.4	20.0
Methylene Chloride	Lin1		0.2851	0.1000	0.0101	0.0100	1.1	50.0
tert-Butyl alcohol	Ave	0.0219	0.0214		0.0976	0.100	-2.4	50.0
Acrylonitrile	Ave	0.0866	0.0912		0.105	0.100	5.4	20.0
Methyl tert-butyl ether	Ave	0.7768	0.7896	0.1000	0.0102	0.0100	1.6	20.0
trans-1,2-Dichloroethene	Ave	0.2743	0.2699	0.1000	0.00984	0.0100	-1.6	20.0
Hexane	Ave	0.0711	0.0798		0.0112	0.0100	12.2	20.0
1,1-Dichloroethane	Ave	0.4617	0.4618	0.2000	0.0100	0.0100	0.0	20.0
Vinyl acetate	Ave	0.4750	0.4641		0.00977	0.0100	-2.3	50.0
2,2-Dichloropropane	Ave	0.2957	0.2918		0.00987	0.0100	-1.3	20.0
cis-1,2-Dichloroethene	Ave	0.3088	0.3065	0.1000	0.00993	0.0100	-0.7	20.0
2-Butanone	Lin1		0.1080	0.0100	0.0258	0.0200	29.2*	20.0
Bromochloromethane	Ave	0.1403	0.1398		0.00996	0.0100	-0.4	20.0
Tetrahydrofuran	Ave	0.0716	0.0742		0.0207	0.0200	3.6	20.0
Chloroform	Ave	0.4597	0.4582	0.2000	0.00997	0.0100	-0.3	20.0
1,1,1-Trichloroethane	Ave	0.3714	0.3727	0.1000	0.0100	0.0100	0.4	20.0
Cyclohexane	Ave	0.4163	0.4594	0.1000	0.0110	0.0100	10.4	20.0
1,1-Dichloropropene	Ave	0.3656	0.3753		0.0103	0.0100	2.7	20.0
Carbon tetrachloride	Ave	0.3099	0.3383	0.1000	0.0109	0.0100	9.2	20.0
Isobutyl alcohol	Lin1		0.0098		0.249	0.250	-0.3	20.0
Benzene	Ave	1.113	1.101	0.5000	0.00989	0.0100	-1.1	20.0
1,2-Dichloroethane	Ave	0.3584	0.3658	0.1000	0.0102	0.0100	2.0	20.0
n-Heptane	Ave	0.0723	0.0820		0.0113	0.0100	13.4	20.0
Trichloroethene	Ave	0.2960	0.3010	0.1500	0.0102	0.0100	1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Lab Sample ID: CCVIS 240-270478/2 Calibration Date: 03/14/2017 10:59

Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36

Lab File ID: UXR7237.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4392	0.4894	0.1000	0.0111	0.0100	11.4	20.0
1,2-Dichloropropane	Ave	0.2548	0.2505	0.1000	0.00983	0.0100	-1.7	20.0
1,4-Dioxane	Lin1		0.0023		0.154	0.200	-23.0	50.0
Dibromomethane	Ave	0.1597	0.1570		0.00983	0.0100	-1.7	20.0
Bromodichloromethane	Ave	0.3206	0.3195	0.1500	0.00996	0.0100	-0.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1371	0.1397		0.0204	0.0200	1.9	20.0
cis-1,3-Dichloropropene	Ave	0.4019	0.3968	0.1500	0.00987	0.0100	-1.3	20.0
4-Methyl-2-pentanone	Ave	0.2173	0.2238	0.0500	0.0206	0.0200	3.0	20.0
Toluene	Ave	1.633	1.623	0.4000	0.00993	0.0100	-0.7	20.0
trans-1,3-Dichloropropene	Ave	0.4764	0.4823	0.1000	0.0101	0.0100	1.2	20.0
Ethyl methacrylate	Ave	0.4170	0.4341		0.0104	0.0100	4.1	20.0
1,1,2-Trichloroethane	Ave	0.3011	0.3014	0.1000	0.0100	0.0100	0.0	20.0
Tetrachloroethene	Ave	0.3154	0.3237	0.1500	0.0103	0.0100	2.6	20.0
1,3-Dichloropropane	Ave	0.5470	0.5423		0.00991	0.0100	-0.9	20.0
2-Hexanone	Ave	0.1919	0.2015	0.0500	0.0210	0.0200	5.0	20.0
Dibromochloromethane	Ave	0.3219	0.3239		0.0101	0.0100	0.6	20.0
1,2-Dibromoethane	Ave	0.3021	0.3050		0.0101	0.0100	0.9	20.0
Chlorobenzene	Ave	1.055	1.065	0.3000	0.0101	0.0100	0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3607	0.3546		0.00983	0.0100	-1.7	20.0
Ethylbenzene	Ave	0.5763	0.5888		0.0102	0.0100	2.2	20.0
m-Xylene & p-Xylene	Ave	0.7077	0.7086		0.0100	0.0100	0.1	20.0
o-Xylene	Ave	0.7115	0.7176		0.0101	0.0100	0.9	20.0
Styrene	Ave	1.134	1.150	0.3000	0.0101	0.0100	1.4	20.0
Bromoform	Ave	0.2079	0.2105	0.1000	0.0101	0.0100	1.2	20.0
Isopropylbenzene	Ave	1.834	1.885	0.1000	0.0103	0.0100	2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7204	0.7203	0.3000	0.0100	0.0100	-0.0	20.0
Bromobenzene	Ave	0.8570	0.8359		0.00975	0.0100	-2.5	20.0
1,2,3-Trichloropropane	Ave	0.2505	0.2517		0.0100	0.0100	0.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1901	0.1886		0.00992	0.0100	-0.8	20.0
n-Propylbenzene	Ave	0.9675	0.9290		0.00960	0.0100	-4.0	20.0
2-Chlorotoluene	Ave	0.8153	0.8357		0.0103	0.0100	2.5	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.811		0.0101	0.0100	1.0	20.0
4-Chlorotoluene	Ave	0.8690	0.8636		0.00994	0.0100	-0.6	20.0
tert-Butylbenzene	Ave	2.485	2.491		0.0100	0.0100	0.2	20.0
1,2,4-Trimethylbenzene	Ave	2.918	2.914		0.00999	0.0100	-0.1	20.0
sec-Butylbenzene	Ave	3.504	3.543		0.0101	0.0100	1.1	20.0
1,3-Dichlorobenzene	Ave	1.679	1.636	0.6000	0.00974	0.0100	-2.6	20.0
p-Isopropyltoluene	Ave	2.967	3.026		0.0102	0.0100	2.0	20.0
1,4-Dichlorobenzene	Ave	1.730	1.680	0.5000	0.00971	0.0100	-2.9	20.0
n-Butylbenzene	Ave	2.551	2.548		0.00999	0.0100	-0.1	20.0
1,2-Dichlorobenzene	Ave	1.580	1.569	0.4000	0.00993	0.0100	-0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-270478/2 Calibration Date: 03/14/2017 10:59
 Instrument ID: A3UX17 Calib Start Date: 03/10/2017 15:44
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 17:36
 Lab File ID: UXR7237.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1307	0.1362	0.0500	0.0104	0.0100	4.2	50.0
1,2,4-Trichlorobenzene	Ave	1.016	0.9412	0.2000	0.00927	0.0100	-7.3	50.0
Hexachlorobutadiene	Ave	0.4052	0.3714		0.00917	0.0100	-8.3	20.0
Naphthalene	Ave	2.455	2.273		0.00926	0.0100	-7.4	50.0
1,2,3-Trichlorobenzene	Ave	0.9217	0.8336		0.00904	0.0100	-9.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2462	0.2197		0.00893	0.0100	-10.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3067	0.2727		0.00889	0.0100	-11.1	20.0
Toluene-d8 (Surr)	Ave	1.418	1.272		0.00897	0.0100	-10.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5202	0.4547		0.00874	0.0100	-12.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: CCV 240-270478/3 Calibration Date: 03/14/2017 11:22
 Instrument ID: A3UX17 Calib Start Date: 03/10/2017 18:21
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 03/10/2017 20:12
 Lab File ID: UXR7238.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0258	0.0258		0.100	0.100	0.0	20.0
Diisopropyl ether	Ave	0.2431	0.2416		0.00994	0.0100	-0.6	20.0
2-Chloro-1,3-butadiene	Ave	0.3997	0.3913		0.00979	0.0100	-2.1	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7593	0.7371		0.00971	0.0100	-2.9	20.0
Ethyl acetate	Ave	0.2181	0.2116		0.0194	0.0200	-3.0	50.0
Propionitrile	Ave	0.0305	0.0324		0.106	0.100	6.4	20.0
Methacrylonitrile	Ave	0.1509	0.1490		0.0987	0.100	-1.3	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7356	0.7325		0.00996	0.0100	-0.4	20.0
n-Butanol	Ave	0.0089	0.0068		0.190	0.250	-24.1*	20.0
Ethyl acrylate	Ave	0.2629	0.2557		0.00973	0.0100	-2.7	20.0
Methyl methacrylate	Ave	0.1992	0.1977		0.0198	0.0200	-0.8	20.0
2-Nitropropane	Ave	0.0544	0.0553		0.0204	0.0200	1.8	20.0
n-Butyl acetate	Ave	0.2052	0.1948		0.00949	0.0100	-5.1	20.0
1-Chlorohexane	Ave	0.4784	0.4706		0.00984	0.0100	-1.6	20.0
Cyclohexanone	Ave	0.0227	0.0157		0.0693	0.100	-30.7*	20.0
Pentachloroethane	Lin1		0.2072		0.0202	0.0200	1.1	
1,2,3-Trimethylbenzene	Ave	2.890	2.759		0.00955	0.0100	-4.5	20.0
Benzyl chloride	Lin1		0.2472		0.00913	0.0100	-8.7	
1,3,5-Trichlorobenzene	Ave	1.062	1.005		0.00947	0.0100	-5.3	20.0
2-Methylnaphthalene	Ave	1.514	1.190		0.0157	0.0200	-21.4*	20.0

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab File ID: UXM1132.D Lab Sample ID: MB 240-270300/7
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: A3UX16 Date Analyzed: 03/13/2017 12:57
 GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-270300/4	UXM1129.D	03/13/2017 11:48
MSA-SW37A-030917	240-76547-1	UXM1138.D	03/13/2017 15:22
MSA-SW37B-030917	240-76547-2	UXM1139.D	03/13/2017 15:45
MSA-SW37C-030917	240-76547-3	UXM1140.D	03/13/2017 16:08
MSA-SW38D-030917	240-76547-4	UXM1141.D	03/13/2017 16:31
MSA-SW38A-030917	240-76547-5	UXM1142.D	03/13/2017 16:54
MSA-SW38B-030917	240-76547-6	UXM1143.D	03/13/2017 17:17
MSA-SW38C-030917	240-76547-7	UXM1144.D	03/13/2017 17:41
MSA-SW38D-030917	240-76547-8	UXM1145.D	03/13/2017 18:04
MSA-SW39A-030917	240-76547-9	UXM1146.D	03/13/2017 18:27
MSA-SW39B-030917	240-76547-10	UXM1147.D	03/13/2017 18:50
MSA-SW39C-030917	240-76547-11	UXM1148.D	03/13/2017 19:13
MSA-SW39D-030917	240-76547-12	UXM1149.D	03/13/2017 19:36
MSA-SW40A-030917	240-76547-13	UXM1150.D	03/13/2017 19:59
MSA-SW40B-030917	240-76547-14	UXM1151.D	03/13/2017 20:22
MSA-SW40C-030917	240-76547-15	UXM1152.D	03/13/2017 20:45
MSA-SW40D-030917	240-76547-16	UXM1153.D	03/13/2017 21:08
MSA-SW41A-030917	240-76547-17	UXM1154.D	03/13/2017 21:31
MSA-SW41B-030917	240-76547-18	UXM1155.D	03/13/2017 21:54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-270300/7

Matrix: Water Lab File ID: UXM1132.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 12:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-270300/7
 Matrix: Water Lab File ID: UXM1132.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 03/13/2017 12:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	0.611	J	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-270300/7
 Matrix: Water Lab File ID: UXM1132.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 12:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		63-132
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	96		73-124
1868-53-7	Dibromofluoromethane (Surr)	106		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-270300/7
Matrix: Water Lab File ID: UXM1132.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 12:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-270300/7
Matrix: Water Lab File ID: UXM1132.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 12:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270300 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab File ID: UXR7216.D Lab Sample ID: MB 240-270367/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: A3UX17 Date Analyzed: 03/13/2017 14:25
 GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-270367/4	UXR7214.D	03/13/2017 13:40
MSA-SW41C-030917	240-76547-19	UXR7217.D	03/13/2017 15:23
MSA-SW41D-030917	240-76547-20	UXR7218.D	03/13/2017 15:45
MSA-SW42A-030917	240-76547-21	UXR7219.D	03/13/2017 16:07
MSA-SW42B-030917	240-76547-22	UXR7220.D	03/13/2017 16:29
MSA-SW42C-030917	240-76547-23	UXR7221.D	03/13/2017 16:51
MSA-SW42D-030917	240-76547-24	UXR7222.D	03/13/2017 17:13
MSA-SW43A-030917	240-76547-25	UXR7223.D	03/13/2017 17:36
MSA-SW43B-030917	240-76547-26	UXR7224.D	03/13/2017 17:58
MSA-SW43C-030917	240-76547-27	UXR7225.D	03/13/2017 18:20
MSA-SW43D-030917	240-76547-28	UXR7226.D	03/13/2017 18:42
MSA-SW44A-030917	240-76547-29	UXR7227.D	03/13/2017 19:04
MSA-SW44B-030917	240-76547-30	UXR7228.D	03/13/2017 19:26
MSA-SW44C-030917	240-76547-31	UXR7229.D	03/13/2017 19:49
MSA-SW44D-030917	240-76547-32	UXR7230.D	03/13/2017 20:11
MSA-SW45A-030917	240-76547-33	UXR7231.D	03/13/2017 20:34
MSA-SW45B-030917	240-76547-34	UXR7232.D	03/13/2017 20:56
MSA-SW45C-030917	240-76547-35	UXR7233.D	03/13/2017 21:18
MSA-SW45D-030917	240-76547-36	UXR7234.D	03/13/2017 21:40
MSA-SW46A-030917	240-76547-37	UXR7235.D	03/13/2017 22:03
MSA-SW47A-030917	240-76547-38	UXR7236.D	03/13/2017 22:25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-270367/6

Matrix: Water Lab File ID: UXR7216.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 14:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-270367/6

Matrix: Water Lab File ID: UXR7216.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 14:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-270367/6
 Matrix: Water Lab File ID: UXR7216.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 14:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		63-132
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
2037-26-5	Toluene-d8 (Surr)	90		73-124
1868-53-7	Dibromofluoromethane (Surr)	88		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-270367/6
Matrix: Water Lab File ID: UXR7216.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 14:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-270367/6
Matrix: Water Lab File ID: UXR7216.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/13/2017 14:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270367 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab File ID: UXR7241.D Lab Sample ID: MB 240-270478/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: A3UX17 Date Analyzed: 03/14/2017 12:29
 GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-270478/4	UXR7239.D	03/14/2017 11:44
MSA-SW48A-030917	240-76547-39	UXR7243.D	03/14/2017 14:28
MSA-SW49A-030917	240-76547-40	UXR7244.D	03/14/2017 14:51
EL-SW01A-030917	240-76547-41	UXR7245.D	03/14/2017 15:13
EL-SW01B-030917	240-76547-42	UXR7246.D	03/14/2017 15:35
EL-SW01C-030917	240-76547-43	UXR7247.D	03/14/2017 15:57
EL-SW01D-030917	240-76547-44	UXR7248.D	03/14/2017 16:19
TB-030917	240-76547-45	UXR7249.D	03/14/2017 16:41
	240-76517-C-2 MS	UXR7262.D	03/14/2017 21:31
	240-76517-A-2 MSD	UXR7263.D	03/14/2017 21:53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-270478/6

Matrix: Water Lab File ID: UXR7241.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 12:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.46
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.32
76-13-1	1,1,2-Trichloro-1,2,2-trichloroethane	1.0	U	1.0	0.41
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.25
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.27
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.54
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.22
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.30
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.30
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.32
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.29
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.34
110-75-8	2-Chloroethyl vinyl ether	1.0	U	1.0	0.65
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.28
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-86-1	Bromobenzene	1.0	U	1.0	0.31
74-97-5	Bromochloromethane	1.0	U	1.0	0.47
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.23
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.29
67-64-1	Acetone	5.0	U	5.0	1.8
71-43-2	Benzene	1.0	U	1.0	0.28
75-25-2	Bromoform	1.0	U	1.0	0.43
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.34
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.35
108-90-7	Chlorobenzene	1.0	U	1.0	0.32
75-00-3	Chloroethane	1.0	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-270478/6

Matrix: Water Lab File ID: UXR7241.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2017 12:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	1.0	U	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-270478/6
 Matrix: Water Lab File ID: UXR7241.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.0	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		63-132
460-00-4	4-Bromofluorobenzene (Surr)	84		73-120
2037-26-5	Toluene-d8 (Surr)	89		73-124
1868-53-7	Dibromofluoromethane (Surr)	86		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-270478/6
Matrix: Water Lab File ID: UXR7241.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 12:29
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-270478/6
Matrix: Water Lab File ID: UXR7241.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2017 12:29
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 270478 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MSA-SW37A-030917	240-76547-1	100	100	103	111
MSA-SW37B-030917	240-76547-2	99	99	101	107
MSA-SW37C-030917	240-76547-3	101	102	102	107
MSA-SW38D-030917	240-76547-4	99	99	101	107
MSA-SW38A-030917	240-76547-5	99	100	99	105
MSA-SW38B-030917	240-76547-6	102	103	99	105
MSA-SW38C-030917	240-76547-7	101	98	99	106
MSA-SW38D-030917	240-76547-8	99	98	99	106
MSA-SW39A-030917	240-76547-9	98	100	98	104
MSA-SW39B-030917	240-76547-10	100	101	102	108
MSA-SW39C-030917	240-76547-11	98	97	99	106
MSA-SW39D-030917	240-76547-12	99	99	100	107
MSA-SW40A-030917	240-76547-13	99	100	101	104
MSA-SW40B-030917	240-76547-14	101	104	103	109
MSA-SW40C-030917	240-76547-15	100	100	96	103
MSA-SW40D-030917	240-76547-16	100	100	102	107
MSA-SW41A-030917	240-76547-17	95	99	98	104
MSA-SW41B-030917	240-76547-18	99	95	97	102
MSA-SW41C-030917	240-76547-19	91	91	90	87
MSA-SW41D-030917	240-76547-20	87	90	89	85
MSA-SW42A-030917	240-76547-21	88	90	89	85
MSA-SW42B-030917	240-76547-22	89	92	88	85
MSA-SW42C-030917	240-76547-23	87	88	89	84
MSA-SW42D-030917	240-76547-24	89	89	90	85
MSA-SW43A-030917	240-76547-25	89	89	89	87
MSA-SW43B-030917	240-76547-26	87	89	90	87
MSA-SW43C-030917	240-76547-27	86	88	88	85
MSA-SW43D-030917	240-76547-28	88	91	91	86
MSA-SW44A-030917	240-76547-29	87	90	88	86
MSA-SW44B-030917	240-76547-30	87	87	90	85
MSA-SW44C-030917	240-76547-31	86	88	89	86
MSA-SW44D-030917	240-76547-32	86	89	89	85
MSA-SW45A-030917	240-76547-33	87	89	88	83
MSA-SW45B-030917	240-76547-34	86	89	90	84
MSA-SW45C-030917	240-76547-35	89	91	90	85

QC LIMITS

DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	63-132
TOL = Toluene-d8 (Surr)	73-124
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MSA-SW45D-030917	240-76547-36	86	89	90	85
MSA-SW46A-030917	240-76547-37	86	92	89	86
MSA-SW47A-030917	240-76547-38	87	91	90	86
MSA-SW48A-030917	240-76547-39	86	90	90	87
MSA-SW49A-030917	240-76547-40	85	89	90	86
EL-SW01A-030917	240-76547-41	88	91	91	88
EL-SW01B-030917	240-76547-42	87	89	90	85
EL-SW01C-030917	240-76547-43	86	89	90	85
EL-SW01D-030917	240-76547-44	87	90	90	85
TB-030917	240-76547-45	89	89	91	86
	MB 240-270300/7	106	103	96	108
	MB 240-270367/6	88	89	90	85
	MB 240-270478/6	86	90	89	84
	LCS 240-270300/4	98	96	98	102
	LCS 240-270367/4	90	86	88	85
	LCS 240-270478/4	88	87	89	87
	240-76517-C-2 MS	86	85	90	86
	240-76517-A-2 MSD	88	87	89	86

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	63-132
TOL = Toluene-d8 (Surr)	73-124
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXM1129.D
 Lab ID: LCS 240-270300/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.9	99	77-126	
1,1,1-Trichloroethane	20.0	18.6	93	79-133	
1,1,2,2-Tetrachloroethane	20.0	19.9	100	61-130	
1,1,2-Trichloro-1,2,2-trichflu oroethane	20.0	18.6	93	65-151	
1,1-Dichloroethane	20.0	19.5	98	77-121	
1,1-Dichloroethene	20.0	18.4	92	70-141	
1,1-Dichloropropene	20.0	19.5	97	80-120	
1,2,3-Trichlorobenzene	20.0	21.4	107	53-135	
1,2,3-Trichloropropane	20.0	20.5	103	65-135	
1,2,4-Trichlorobenzene	20.0	20.3	101	53-137	
1,2,4-Trimethylbenzene	20.0	19.0	95	77-120	
1,2-Dibromo-3-Chloropropane	20.0	23.6	118	46-140	
1,2-Dichlorobenzene	20.0	19.3	96	80-120	
1,2-Dichloroethane	20.0	18.9	95	76-130	
1,2-Dichloropropane	20.0	21.3	107	79-121	
1,3-Dichlorobenzene	20.0	19.0	95	80-120	
1,3-Dichloropropane	20.0	19.6	98	77-120	
1,4-Dichlorobenzene	20.0	18.7	94	80-120	
2,2-Dichloropropane	20.0	18.9	95	70-137	
2-Chloroethyl vinyl ether	20.0	21.0	105	51-138	
2-Chlorotoluene	20.0	19.8	99	76-120	
2-Hexanone	40.0	35.1	88	56-124	
Bromobenzene	20.0	18.5	93	79-120	
Bromochloromethane	20.0	19.5	97	77-125	
4-Chlorotoluene	20.0	19.5	97	77-120	
p-Isopropyltoluene	20.0	18.8	94	75-120	
Acetone	40.0	26.5	66	46-120	
Benzene	20.0	20.0	100	80-120	
Bromoform	20.0	21.3	106	52-157	
Bromomethane	20.0	19.3	96	24-160	
Carbon disulfide	20.0	19.5	98	58-160	
Carbon tetrachloride	20.0	19.4	97	69-149	
Chlorobenzene	20.0	19.0	95	80-120	
Chloroethane	20.0	20.2	101	24-147	
Chloroform	20.0	19.2	96	80-120	
Chloromethane	20.0	19.9	100	50-135	
cis-1,2-Dichloroethene	20.0	19.1	96	80-120	
cis-1,3-Dichloropropene	20.0	20.3	101	75-120	
Hexachlorobutadiene	20.0	18.3	91	55-134	
Dibromomethane	20.0	18.9	95	73-127	
Bromodichloromethane	20.0	20.6	103	76-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXM1129.D
 Lab ID: LCS 240-270300/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	18.2	91	32-140	
Ethylbenzene	20.0	19.2	96	80-120	
1,2-Dibromoethane	20.0	19.1	95	80-126	
Naphthalene	20.0	20.8	104	39-148	
m-Xylene & p-Xylene	20.0	18.7	94	80-120	
n-Butylbenzene	20.0	18.5	93	66-120	
Isopropylbenzene	20.0	19.3	96	80-120	
n-Propylbenzene	20.0	20.0	100	75-121	
2-Butanone	40.0	32.2	80	54-122	
4-Methyl-2-pentanone	40.0	39.4	99	60-131	
sec-Butylbenzene	20.0	18.5	93	72-120	
Methyl tert-butyl ether	20.0	20.0	100	75-126	
Methylene Chloride	20.0	18.6	93	68-136	
o-Xylene	20.0	18.8	94	80-120	
Styrene	20.0	19.2	96	80-120	
tert-Butylbenzene	20.0	17.4	87	78-120	
Tetrachloroethene	20.0	18.0	90	80-123	
Toluene	20.0	19.5	97	80-121	
trans-1,2-Dichloroethene	20.0	18.6	93	80-123	
trans-1,3-Dichloropropene	20.0	19.5	97	65-120	
Trichloroethene	20.0	19.4	97	80-122	
Trichlorofluoromethane	20.0	20.7	103	56-161	
Vinyl acetate	20.0	20.2	101	57-144	
Vinyl chloride	20.0	19.1	95	60-129	
tert-Butyl alcohol	200	214	107	47-137	
Xylenes, Total	40.0	37.5	94	80-120	
Dibromochloromethane	20.0	19.5	98	68-131	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXR7214.D
 Lab ID: LCS 240-270367/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	10.1	101	77-126	
1,1,1-Trichloroethane	10.0	9.90	99	79-133	
1,1,2,2-Tetrachloroethane	10.0	9.95	99	61-130	
1,1,2-Trichloro-1,2,2-trichflu oroethane	10.0	9.79	98	65-151	
1,1-Dichloroethane	10.0	9.70	97	77-121	
1,1-Dichloroethene	10.0	9.69	97	70-141	
1,1-Dichloropropene	10.0	10.4	104	80-120	
1,2,3-Trichlorobenzene	10.0	8.66	87	53-135	
1,2,3-Trichloropropane	10.0	9.84	98	65-135	
1,2,4-Trichlorobenzene	10.0	8.85	89	53-137	
1,2,4-Trimethylbenzene	10.0	9.72	97	77-120	
1,2-Dibromo-3-Chloropropane	10.0	10.2	102	46-140	
1,2-Dichlorobenzene	10.0	9.88	99	80-120	
1,2-Dichloroethane	10.0	9.90	99	76-130	
1,2-Dichloropropane	10.0	9.88	99	79-121	
1,3-Dichlorobenzene	10.0	9.63	96	80-120	
1,3-Dichloropropane	10.0	9.62	96	77-120	
1,4-Dichlorobenzene	10.0	9.73	97	80-120	
2,2-Dichloropropane	10.0	9.80	98	70-137	
2-Chloroethyl vinyl ether	10.0	10.1	101	51-138	
2-Chlorotoluene	10.0	10.2	102	76-120	
2-Hexanone	20.0	19.0	95	56-124	
Bromobenzene	10.0	9.97	100	79-120	
Bromochloromethane	10.0	9.92	99	77-125	
4-Chlorotoluene	10.0	9.79	98	77-120	
p-Isopropyltoluene	10.0	9.96	100	75-120	
Acetone	20.0	17.3	87	46-120	
Benzene	10.0	9.84	98	80-120	
Bromoform	10.0	9.94	99	52-157	
Bromomethane	10.0	4.75	47	24-160	
Carbon disulfide	10.0	9.57	96	58-160	
Carbon tetrachloride	10.0	10.7	107	69-149	
Chlorobenzene	10.0	9.82	98	80-120	
Chloroethane	10.0	6.88	69	24-147	
Chloroform	10.0	10.0	100	80-120	
Chloromethane	10.0	8.70	87	50-135	
cis-1,2-Dichloroethene	10.0	9.86	99	80-120	
cis-1,3-Dichloropropene	10.0	10.1	101	75-120	
Hexachlorobutadiene	10.0	8.73	87	55-134	
Dibromomethane	10.0	9.56	96	73-127	
Bromodichloromethane	10.0	10.2	102	76-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXR7214.D
 Lab ID: LCS 240-270367/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.74	87	32-140	
Ethylbenzene	10.0	9.81	98	80-120	
1,2-Dibromoethane	10.0	10.1	101	80-126	
Naphthalene	10.0	8.55	85	39-148	
m-Xylene & p-Xylene	10.0	9.92	99	80-120	
n-Butylbenzene	10.0	9.55	95	66-120	
Isopropylbenzene	10.0	9.82	98	80-120	
n-Propylbenzene	10.0	9.92	99	75-121	
2-Butanone	20.0	23.5	118	54-122	
4-Methyl-2-pentanone	20.0	19.3	97	60-131	
sec-Butylbenzene	10.0	9.70	97	72-120	
Methyl tert-butyl ether	10.0	9.97	100	75-126	
Methylene Chloride	10.0	9.74	97	68-136	
o-Xylene	10.0	9.83	98	80-120	
Styrene	10.0	9.99	100	80-120	
tert-Butylbenzene	10.0	10.0	100	78-120	
Tetrachloroethene	10.0	9.96	100	80-123	
Toluene	10.0	9.76	98	80-121	
trans-1,2-Dichloroethene	10.0	10.1	101	80-123	
trans-1,3-Dichloropropene	10.0	9.92	99	65-120	
Trichloroethene	10.0	10.0	100	80-122	
Trichlorofluoromethane	10.0	7.75	77	56-161	
Vinyl acetate	10.0	9.83	98	57-144	
Vinyl chloride	10.0	9.42	94	60-129	
tert-Butyl alcohol	100	75.2	75	47-137	
Xylenes, Total	20.0	19.8	99	80-120	
Dibromochloromethane	10.0	10.0	100	68-131	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXR7239.D
 Lab ID: LCS 240-270478/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	10.1	101	77-126	
1,1,1-Trichloroethane	10.0	9.82	98	79-133	
1,1,2,2-Tetrachloroethane	10.0	9.95	99	61-130	
1,1,2-Trichloro-1,2,2-trichflu oroethane	10.0	10.3	103	65-151	
1,1-Dichloroethane	10.0	9.81	98	77-121	
1,1-Dichloroethene	10.0	9.75	97	70-141	
1,1-Dichloropropene	10.0	10.6	106	80-120	
1,2,3-Trichlorobenzene	10.0	8.79	88	53-135	
1,2,3-Trichloropropane	10.0	9.93	99	65-135	
1,2,4-Trichlorobenzene	10.0	8.53	85	53-137	
1,2,4-Trimethylbenzene	10.0	9.58	96	77-120	
1,2-Dibromo-3-Chloropropane	10.0	9.93	99	46-140	
1,2-Dichlorobenzene	10.0	9.86	99	80-120	
1,2-Dichloroethane	10.0	10.1	101	76-130	
1,2-Dichloropropane	10.0	9.85	99	79-121	
1,3-Dichlorobenzene	10.0	9.55	95	80-120	
1,3-Dichloropropane	10.0	10.1	101	77-120	
1,4-Dichlorobenzene	10.0	9.60	96	80-120	
2,2-Dichloropropane	10.0	9.03	90	70-137	
2-Chloroethyl vinyl ether	10.0	9.86 J	99	51-138	
2-Chlorotoluene	10.0	9.96	100	76-120	
2-Hexanone	20.0	19.9	100	56-124	
Bromobenzene	10.0	9.47	95	79-120	
Bromochloromethane	10.0	9.99	100	77-125	
4-Chlorotoluene	10.0	9.73	97	77-120	
p-Isopropyltoluene	10.0	9.94	99	75-120	
Acetone	20.0	20.5	102	46-120	
Benzene	10.0	9.99	100	80-120	
Bromoform	10.0	9.61	96	52-157	
Bromomethane	10.0	4.54	45	24-160	
Carbon disulfide	10.0	8.65	86	58-160	
Carbon tetrachloride	10.0	10.2	102	69-149	
Chlorobenzene	10.0	10.1	101	80-120	
Chloroethane	10.0	4.81	48	24-147	
Chloroform	10.0	10.0	100	80-120	
Chloromethane	10.0	8.09	81	50-135	
cis-1,2-Dichloroethene	10.0	9.70	97	80-120	
cis-1,3-Dichloropropene	10.0	9.79	98	75-120	
Hexachlorobutadiene	10.0	8.73	87	55-134	
Dibromomethane	10.0	9.72	97	73-127	
Bromodichloromethane	10.0	10.0	100	76-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXR7239.D
 Lab ID: LCS 240-270478/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.62	96	32-140	
Ethylbenzene	10.0	10.0	100	80-120	
1,2-Dibromoethane	10.0	10.1	101	80-126	
Naphthalene	10.0	8.71	87	39-148	
m-Xylene & p-Xylene	10.0	10.0	100	80-120	
n-Butylbenzene	10.0	9.78	98	66-120	
Isopropylbenzene	10.0	10.2	102	80-120	
n-Propylbenzene	10.0	9.70	97	75-121	
2-Butanone	20.0	25.6	128	54-122	*
4-Methyl-2-pentanone	20.0	19.7	99	60-131	
sec-Butylbenzene	10.0	9.72	97	72-120	
Methyl tert-butyl ether	10.0	9.91	99	75-126	
Methylene Chloride	10.0	9.84	98	68-136	
o-Xylene	10.0	10.1	101	80-120	
Styrene	10.0	10.1	101	80-120	
tert-Butylbenzene	10.0	9.87	99	78-120	
Tetrachloroethene	10.0	10.3	103	80-123	
Toluene	10.0	10.1	101	80-121	
trans-1,2-Dichloroethene	10.0	10.0	100	80-123	
trans-1,3-Dichloropropene	10.0	9.73	97	65-120	
Trichloroethene	10.0	9.83	98	80-122	
Trichlorofluoromethane	10.0	7.71	77	56-161	
Vinyl acetate	10.0	9.20	92	57-144	
Vinyl chloride	10.0	9.74	97	60-129	
tert-Butyl alcohol	100	91.9	92	47-137	
Xylenes, Total	20.0	20.1	101	80-120	
Dibromochloromethane	10.0	9.72	97	68-131	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXR7262.D
 Lab ID: 240-76517-C-2 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2,3-Trichlorobenzene	10.0	1.0 U	8.60	86	40-139	
1,2,4-Trichlorobenzene	10.0	1.0 U	8.60	86	35-140	
1,2-Dichlorobenzene	10.0	1.0 U	9.65	97	62-123	
1,3-Dichlorobenzene	10.0	1.0 U	9.43	94	59-122	
1,4-Dichlorobenzene	10.0	1.0 U	9.44	94	60-122	
Chlorobenzene	10.0	1.0 U	9.72	97	58-128	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXR7263.D
 Lab ID: 240-76517-A-2 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,2,3-Trichlorobenzene	10.0	8.55	85	1	35	40-139	
1,2,4-Trichlorobenzene	10.0	8.23	82	4	35	35-140	
1,2-Dichlorobenzene	10.0	9.21	92	5	35	62-123	
1,3-Dichlorobenzene	10.0	8.86	89	6	35	59-122	
1,4-Dichlorobenzene	10.0	8.96	90	5	35	60-122	
Chlorobenzene	10.0	9.51	95	2	35	58-128	

Column to be used to flag recovery and RPD values

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Sample No.: ICIS 240-265930/11 Date Analyzed: 02/08/2017 12:27
 Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXM0698.D Heated Purge: (Y/N) N
 Calibration ID: 38230

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	949364	5.25	718358	7.93	402378	10.16
UPPER LIMIT	1898728	5.75	1436716	8.43	804756	10.66
LOWER LIMIT	474682	4.75	359179	7.43	201189	9.66
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-265930/23		897837	5.25	665536	7.93	355800 10.16

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Sample No.: ICIS 240-269649/11 Date Analyzed: 03/08/2017 11:10
 Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXM1072.D Heated Purge: (Y/N) N
 Calibration ID: 38701

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	986646	5.25	713182	7.93	395520	10.16
UPPER LIMIT	1973292	5.75	1426364	8.43	791040	10.66
LOWER LIMIT	493323	4.75	356591	7.43	197760	9.66
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-269649/22		982675	5.24	673177	7.92	383684 10.16
CCVIS 240-270300/3		1052997	5.25	768298	7.93	424354 10.16

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Sample No.: CCVIS 240-270300/3 Date Analyzed: 03/13/2017 11:25
 Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXM1128.D Heated Purge: (Y/N) N
 Calibration ID: 38701

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1052997	5.25	768298	7.93	424354	10.16
UPPER LIMIT	2105994	5.75	1536596	8.43	848708	10.66
LOWER LIMIT	526499	4.75	384149	7.43	212177	9.66
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 240-270300/4		1026632	5.24	761147	7.92	420107 10.16
CCV 240-270300/5		985691	5.24	726746	7.92	389856 10.16
MB 240-270300/7		963216	5.24	730543	7.92	395313 10.16
240-76547-1	MSA-SW37A-030917	985665	5.24	710759	7.92	395290 10.16
240-76547-2	MSA-SW37B-030917	967753	5.25	722121	7.92	395688 10.16
240-76547-3	MSA-SW37C-030917	962462	5.24	715589	7.92	390396 10.16
240-76547-4	MSA-SW38D-030917	962845	5.25	706572	7.92	385216 10.16
240-76547-5	MSA-SW38A-030917	936009	5.24	722836	7.92	385430 10.16
240-76547-6	MSA-SW38B-030917	944854	5.24	723309	7.92	392886 10.16
240-76547-7	MSA-SW38C-030917	946802	5.25	710653	7.92	385689 10.16
240-76547-8	MSA-SW38D-030917	979416	5.24	731389	7.92	398286 10.16
240-76547-9	MSA-SW39A-030917	979585	5.24	731171	7.92	400934 10.16
240-76547-10	MSA-SW39B-030917	938376	5.24	684040	7.92	375535 10.16
240-76547-11	MSA-SW39C-030917	972302	5.24	710850	7.92	401577 10.16
240-76547-12	MSA-SW39D-030917	937624	5.25	688914	7.92	377283 10.16
240-76547-13	MSA-SW40A-030917	961126	5.24	705591	7.92	388139 10.16
240-76547-14	MSA-SW40B-030917	953714	5.24	711433	7.93	387890 10.16
240-76547-15	MSA-SW40C-030917	954657	5.24	730498	7.92	395478 10.16
240-76547-16	MSA-SW40D-030917	935249	5.24	697986	7.92	379634 10.16
240-76547-17	MSA-SW41A-030917	988117	5.24	725698	7.92	401058 10.16
240-76547-18	MSA-SW41B-030917	986059	5.24	724108	7.92	393507 10.16

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Sample No.: STD8260 240-270112/4 Date Analyzed: 03/10/2017 16:29
 Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXR7198.D Heated Purge: (Y/N) N
 Calibration ID: 38794

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1220460	5.76	889295	8.47	485235	10.72	
UPPER LIMIT	2440920	6.26	1778590	8.97	970470	11.22	
LOWER LIMIT	610230	5.26	444648	7.97	242618	10.22	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-270112/8		1165755	5.76	841337	8.47	457147	10.72
ICV 240-270112/15		1086377	5.76	759076	8.47	406958	10.72
CCVIS 240-270367/2		1190533	5.76	870607	8.47	477421	10.72
CCVIS 240-270478/2		1057140	5.76	765918	8.47	414469	10.72

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Sample No.: CCVIS 240-270367/2 Date Analyzed: 03/13/2017 12:55
 Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXR7212.D Heated Purge: (Y/N) N
 Calibration ID: 38796

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1190533	5.76	870607	8.47	477421	10.72
UPPER LIMIT		2381066	6.26	1741214	8.97	954842	11.22
LOWER LIMIT		595267	5.26	435304	7.97	238711	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-270367/3		1151925	5.76	831755	8.47	445162	10.72
LCS 240-270367/4		1185885	5.76	872149	8.47	457060	10.72
MB 240-270367/6		1109552	5.76	789668	8.47	417866	10.72
240-76547-19	MSA-SW41C-030917	1061904	5.76	753557	8.47	391241	10.72
240-76547-20	MSA-SW41D-030917	1092443	5.76	764573	8.47	408112	10.72
240-76547-21	MSA-SW42A-030917	1088875	5.76	762351	8.47	400261	10.72
240-76547-22	MSA-SW42B-030917	1060952	5.76	751931	8.47	395766	10.72
240-76547-23	MSA-SW42C-030917	1071927	5.76	755554	8.47	396114	10.72
240-76547-24	MSA-SW42D-030917	1090917	5.76	764291	8.47	399038	10.72
240-76547-25	MSA-SW43A-030917	1065860	5.76	745738	8.47	397857	10.72
240-76547-26	MSA-SW43B-030917	1057940	5.76	740790	8.47	382188	10.72
240-76547-27	MSA-SW43C-030917	1064911	5.76	747435	8.47	392968	10.72
240-76547-28	MSA-SW43D-030917	1045963	5.76	735714	8.47	395442	10.72
240-76547-29	MSA-SW44A-030917	1014841	5.76	719292	8.47	378931	10.72
240-76547-30	MSA-SW44B-030917	1048338	5.76	724017	8.47	376119	10.72
240-76547-31	MSA-SW44C-030917	1041334	5.76	726329	8.47	389585	10.72
240-76547-32	MSA-SW44D-030917	1015927	5.76	713539	8.47	379811	10.72
240-76547-33	MSA-SW45A-030917	1031118	5.76	725833	8.47	367002	10.72
240-76547-34	MSA-SW45B-030917	1025316	5.76	716688	8.47	373080	10.72
240-76547-35	MSA-SW45C-030917	1007869	5.76	708212	8.47	382616	10.72
240-76547-36	MSA-SW45D-030917	1018929	5.76	708672	8.47	372803	10.72
240-76547-37	MSA-SW46A-030917	1014577	5.76	722216	8.47	374764	10.72
240-76547-38	MSA-SW47A-030917	1014035	5.76	710199	8.47	377797	10.72

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Sample No.: CCVIS 240-270478/2 Date Analyzed: 03/14/2017 10:59
 Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXR7237.D Heated Purge: (Y/N) N
 Calibration ID: 38796

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1057140	5.76	765918	8.47	414469	10.72
UPPER LIMIT	2114280	6.26	1531836	8.97	828938	11.22
LOWER LIMIT	528570	5.26	382959	7.97	207235	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCV 240-270478/3		1069902	5.76	759726	8.47	395630 10.72
LCS 240-270478/4		1085669	5.76	774074	8.47	428743 10.72
MB 240-270478/6		1030712	5.76	723679	8.47	376905 10.72
240-76547-39	MSA-SW48A-030917	1017803	5.76	711042	8.47	382073 10.72
240-76547-40	MSA-SW49A-030917	990102	5.76	689980	8.47	365145 10.72
240-76547-41	EL-SW01A-030917	1006488	5.76	704044	8.47	373269 10.72
240-76547-42	EL-SW01B-030917	1002141	5.76	705475	8.47	367049 10.72
240-76547-43	EL-SW01C-030917	1005101	5.76	699336	8.47	370562 10.72
240-76547-44	EL-SW01D-030917	986538	5.76	697635	8.47	370198 10.72
240-76547-45	TB-030917	983234	5.76	683843	8.47	367022 10.72
240-76517-C-2 MS		1014105	5.76	731419	8.47	388442 10.72
240-76517-A-2 MSD		1043978	5.76	752876	8.47	406619 10.72

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Instrument ID: A3UX16Start Date: 02/08/2017 10:47Analysis Batch Number: 265930End Date: 02/08/2017 18:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-265930/1		02/08/2017 10:47	1	BFB5159.D	DB-624 0.18 (mm)
STD8260 240-265930/8 IC		02/08/2017 11:17	1	UXM0695.D	DB-624 0.18 (mm)
STD8260 240-265930/9 IC		02/08/2017 11:40	1	UXM0696.D	DB-624 0.18 (mm)
STD8260 240-265930/10 IC		02/08/2017 12:04	1	UXM0697.D	DB-624 0.18 (mm)
ICIS 240-265930/11		02/08/2017 12:27	1	UXM0698.D	DB-624 0.18 (mm)
STD8260 240-265930/12 IC		02/08/2017 12:57	1	UXM0699.D	DB-624 0.18 (mm)
STD8260 240-265930/13 IC		02/08/2017 13:20	1	UXM0700.D	DB-624 0.18 (mm)
STDA9 240-265930/15 IC		02/08/2017 14:06	1	UXM0702.D	DB-624 0.18 (mm)
STDA9 240-265930/16 IC		02/08/2017 14:29	1	UXM0703.D	DB-624 0.18 (mm)
STDA9 240-265930/17 IC		02/08/2017 14:53	1	UXM0704.D	DB-624 0.18 (mm)
STDA9 240-265930/18 IC		02/08/2017 15:16	1	UXM0705.D	DB-624 0.18 (mm)
STDA9 240-265930/19 IC		02/08/2017 15:39	1	UXM0706.D	DB-624 0.18 (mm)
STDA9 240-265930/20 IC		02/08/2017 16:03	1	UXM0707.D	DB-624 0.18 (mm)
ICV 240-265930/22		02/08/2017 16:49	1		DB-624 0.18 (mm)
ICV 240-265930/23		02/08/2017 17:12	1	UXM0710.D	DB-624 0.18 (mm)
MDLV 240-265930/24		02/08/2017 17:36	1		DB-624 0.18 (mm)
MDLV 240-265930/25		02/08/2017 17:57	1		DB-624 0.18 (mm)
MDLV 240-265930/26		02/08/2017 18:20	1		DB-624 0.18 (mm)
ZZZZZ		02/08/2017 18:43	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: A3UX16 Start Date: 03/08/2017 09:32Analysis Batch Number: 269649 End Date: 03/08/2017 15:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-269649/1		03/08/2017 09:32	1	BFB5177.D	DB-624 0.18 (mm)
STD8260 240-269649/8 IC		03/08/2017 10:00	1	UXM1069.D	DB-624 0.18 (mm)
STD8260 240-269649/9 IC		03/08/2017 10:23	1	UXM1070.D	DB-624 0.18 (mm)
STD8260 240-269649/10 IC		03/08/2017 10:46	1	UXM1071.D	DB-624 0.18 (mm)
ICIS 240-269649/11		03/08/2017 11:10	1	UXM1072.D	DB-624 0.18 (mm)
STD8260 240-269649/12 IC		03/08/2017 11:33	1	UXM1073.D	DB-624 0.18 (mm)
STD8260 240-269649/13 IC		03/08/2017 11:56	1	UXM1074.D	DB-624 0.18 (mm)
ICV 240-269649/22		03/08/2017 12:42	1	UXM1076.D	DB-624 0.18 (mm)
ZZZZZ		03/08/2017 13:51	1		DB-624 0.18 (mm)
ZZZZZ		03/08/2017 15:24	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Instrument ID: A3UX16Start Date: 03/13/2017 10:56Analysis Batch Number: 270300End Date: 03/13/2017 21:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-270300/1		03/13/2017 10:56	1	BFB5181.D	DB-624 0.18 (mm)
CCVIS 240-270300/3		03/13/2017 11:25	1	UXM1128.D	DB-624 0.18 (mm)
LCS 240-270300/4		03/13/2017 11:48	1	UXM1129.D	DB-624 0.18 (mm)
CCV 240-270300/5		03/13/2017 12:11	1	UXM1130.D	DB-624 0.18 (mm)
MDLV 240-270300/6		03/13/2017 12:34	1		DB-624 0.18 (mm)
MB 240-270300/7		03/13/2017 12:57	1	UXM1132.D	DB-624 0.18 (mm)
240-76547-1		03/13/2017 15:22	1	UXM1138.D	DB-624 0.18 (mm)
240-76547-2		03/13/2017 15:45	1	UXM1139.D	DB-624 0.18 (mm)
240-76547-3		03/13/2017 16:08	1	UXM1140.D	DB-624 0.18 (mm)
240-76547-4		03/13/2017 16:31	1	UXM1141.D	DB-624 0.18 (mm)
240-76547-5		03/13/2017 16:54	1	UXM1142.D	DB-624 0.18 (mm)
240-76547-6		03/13/2017 17:17	1	UXM1143.D	DB-624 0.18 (mm)
240-76547-7		03/13/2017 17:41	1	UXM1144.D	DB-624 0.18 (mm)
240-76547-8		03/13/2017 18:04	1	UXM1145.D	DB-624 0.18 (mm)
240-76547-9		03/13/2017 18:27	1	UXM1146.D	DB-624 0.18 (mm)
240-76547-10		03/13/2017 18:50	1	UXM1147.D	DB-624 0.18 (mm)
240-76547-11		03/13/2017 19:13	1	UXM1148.D	DB-624 0.18 (mm)
240-76547-12		03/13/2017 19:36	1	UXM1149.D	DB-624 0.18 (mm)
240-76547-13		03/13/2017 19:59	1	UXM1150.D	DB-624 0.18 (mm)
240-76547-14		03/13/2017 20:22	1	UXM1151.D	DB-624 0.18 (mm)
240-76547-15		03/13/2017 20:45	1	UXM1152.D	DB-624 0.18 (mm)
240-76547-16		03/13/2017 21:08	1	UXM1153.D	DB-624 0.18 (mm)
240-76547-17		03/13/2017 21:31	1	UXM1154.D	DB-624 0.18 (mm)
240-76547-18		03/13/2017 21:54	1	UXM1155.D	DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: A3UX17 Start Date: 03/10/2017 15:12Analysis Batch Number: 270112 End Date: 03/10/2017 20:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-270112/1		03/10/2017 15:12	1	BFB1439.D	DB-624 0.18 (mm)
STD8260 240-270112/2 IC		03/10/2017 15:44	1	UXR7196.D	DB-624 0.18 (mm)
STD8260 240-270112/3 IC		03/10/2017 16:07	1	UXR7197.D	DB-624 0.18 (mm)
STD8260 240-270112/4 ICIS		03/10/2017 16:29	1	UXR7198.D	DB-624 0.18 (mm)
STD8260 240-270112/5 IC		03/10/2017 16:52	1	UXR7199.D	DB-624 0.18 (mm)
STD8260 240-270112/6 IC		03/10/2017 17:14	1	UXR7200.D	DB-624 0.18 (mm)
STD8260 240-270112/7 IC		03/10/2017 17:36	1	UXR7201.D	DB-624 0.18 (mm)
ICV 240-270112/8		03/10/2017 17:59	1	UXR7202.D	DB-624 0.18 (mm)
STDA9 240-270112/9 IC		03/10/2017 18:21	1	UXR7203.D	DB-624 0.18 (mm)
STDA9 240-270112/10 IC		03/10/2017 18:44	1	UXR7204.D	DB-624 0.18 (mm)
STDA9 240-270112/11 IC		03/10/2017 19:06	1	UXR7205.D	DB-624 0.18 (mm)
STDA9 240-270112/12 IC		03/10/2017 19:28	1	UXR7206.D	DB-624 0.18 (mm)
STDA9 240-270112/13 IC		03/10/2017 19:50	1	UXR7207.D	DB-624 0.18 (mm)
STDA9 240-270112/14 IC		03/10/2017 20:12	1	UXR7208.D	DB-624 0.18 (mm)
ICV 240-270112/15		03/10/2017 20:34	1	UXR7209.D	DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Instrument ID: A3UX17Start Date: 03/13/2017 12:30Analysis Batch Number: 270367End Date: 03/13/2017 22:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-270367/1		03/13/2017 12:30	1	BFB1440.D	DB-624 0.18 (mm)
CCVIS 240-270367/2		03/13/2017 12:55	1	UXR7212.D	DB-624 0.18 (mm)
CCV 240-270367/3		03/13/2017 13:18	1	UXR7213.D	DB-624 0.18 (mm)
LCS 240-270367/4		03/13/2017 13:40	1	UXR7214.D	DB-624 0.18 (mm)
ZZZZZ		03/13/2017 14:02	1		DB-624 0.18 (mm)
MB 240-270367/6		03/13/2017 14:25	1	UXR7216.D	DB-624 0.18 (mm)
240-76547-19		03/13/2017 15:23	1	UXR7217.D	DB-624 0.18 (mm)
240-76547-20		03/13/2017 15:45	1	UXR7218.D	DB-624 0.18 (mm)
240-76547-21		03/13/2017 16:07	1	UXR7219.D	DB-624 0.18 (mm)
240-76547-22		03/13/2017 16:29	1	UXR7220.D	DB-624 0.18 (mm)
240-76547-23		03/13/2017 16:51	1	UXR7221.D	DB-624 0.18 (mm)
240-76547-24		03/13/2017 17:13	1	UXR7222.D	DB-624 0.18 (mm)
240-76547-25		03/13/2017 17:36	1	UXR7223.D	DB-624 0.18 (mm)
240-76547-26		03/13/2017 17:58	1	UXR7224.D	DB-624 0.18 (mm)
240-76547-27		03/13/2017 18:20	1	UXR7225.D	DB-624 0.18 (mm)
240-76547-28		03/13/2017 18:42	1	UXR7226.D	DB-624 0.18 (mm)
240-76547-29		03/13/2017 19:04	1	UXR7227.D	DB-624 0.18 (mm)
240-76547-30		03/13/2017 19:26	1	UXR7228.D	DB-624 0.18 (mm)
240-76547-31		03/13/2017 19:49	1	UXR7229.D	DB-624 0.18 (mm)
240-76547-32		03/13/2017 20:11	1	UXR7230.D	DB-624 0.18 (mm)
240-76547-33		03/13/2017 20:34	1	UXR7231.D	DB-624 0.18 (mm)
240-76547-34		03/13/2017 20:56	1	UXR7232.D	DB-624 0.18 (mm)
240-76547-35		03/13/2017 21:18	1	UXR7233.D	DB-624 0.18 (mm)
240-76547-36		03/13/2017 21:40	1	UXR7234.D	DB-624 0.18 (mm)
240-76547-37		03/13/2017 22:03	1	UXR7235.D	DB-624 0.18 (mm)
240-76547-38		03/13/2017 22:25	1	UXR7236.D	DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Instrument ID: A3UX17Start Date: 03/14/2017 10:32Analysis Batch Number: 270478End Date: 03/14/2017 21:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-270478/1		03/14/2017 10:32	1	BFB1441.D	DB-624 0.18 (mm)
CCVIS 240-270478/2		03/14/2017 10:59	1	UXR7237.D	DB-624 0.18 (mm)
CCV 240-270478/3		03/14/2017 11:22	1	UXR7238.D	DB-624 0.18 (mm)
LCS 240-270478/4		03/14/2017 11:44	1	UXR7239.D	DB-624 0.18 (mm)
ZZZZZ		03/14/2017 12:07	1		DB-624 0.18 (mm)
MB 240-270478/6		03/14/2017 12:29	1	UXR7241.D	DB-624 0.18 (mm)
ZZZZZ		03/14/2017 14:06	1		DB-624 0.18 (mm)
240-76547-39		03/14/2017 14:28	1	UXR7243.D	DB-624 0.18 (mm)
240-76547-40		03/14/2017 14:51	1	UXR7244.D	DB-624 0.18 (mm)
240-76547-41		03/14/2017 15:13	1	UXR7245.D	DB-624 0.18 (mm)
240-76547-42		03/14/2017 15:35	1	UXR7246.D	DB-624 0.18 (mm)
240-76547-43		03/14/2017 15:57	1	UXR7247.D	DB-624 0.18 (mm)
240-76547-44		03/14/2017 16:19	1	UXR7248.D	DB-624 0.18 (mm)
240-76547-45		03/14/2017 16:41	1	UXR7249.D	DB-624 0.18 (mm)
ZZZZZ		03/14/2017 17:03	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 17:26	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 17:48	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 18:11	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 18:33	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 18:56	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 19:18	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 19:40	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 20:02	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 20:24	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 20:46	1		DB-624 0.18 (mm)
ZZZZZ		03/14/2017 21:08	1		DB-624 0.18 (mm)
240-76517-C-2 MS		03/14/2017 21:31	1	UXR7262.D	DB-624 0.18 (mm)
240-76517-A-2 MSD		03/14/2017 21:53	1	UXR7263.D	DB-624 0.18 (mm)

METALS

US EPA Tune Check Sample Report

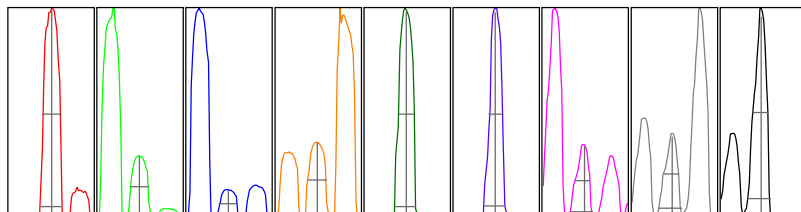
Batch Folder D:\Analytical Runs\110031317A.b
 Report Comment
 Instrument Name 110 JP12452145

[NoGas]

Mass	Count (Mean)	RSD % (Actual)	RSD % (Required)	RSD % (Flag)
9	21718	1.18	5.00	
24	60389	0.66	5.00	
25	7947	1.13	5.00	
26	9450	0.84	5.00	
59	62562	0.53	5.00	
115	109081	0.75	5.00	
206	40675	1.32	5.00	
207	35458	1.32	5.00	
208	83032	0.90	5.00	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	22101	21531	21848	21622	21486
24	60282	60631	60936	60179	59917
25	8011	7905	7811	7983	8027
26	9325	9464	9504	9530	9426
59	62880	62939	62433	62367	62193
115	109263	109827	109390	109236	107689
206	41203	41154	40753	40293	39972
207	35840	35922	35526	35209	34792
208	83914	83485	83176	82533	82054

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X % (Actual)	Width-X % (Required)	Width- X % (Flag)
9	3625	9.05	8.9 - 9.1		0.740	0.850	
24	10007	24.00	23.9 - 24.1		0.774	0.850	
25	1317	25.00	24.9 - 25.1		0.776	0.850	
26	1523	26.00	25.9 - 26.1		0.782	0.850	
59	10840	59.00	58.9 - 59.1		0.743	0.850	
115	21514	115.00	114.9 - 115.1		0.738	0.850	
206	7724	206.00	205.9 - 206.1		0.766	0.850	
207	6482	206.95	206.9 - 207.1		0.755	0.850	
208	16169	207.95	207.9 - 208.1		0.763	0.850	

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 235 Y Axis = Linear

Tune Parameters

Plasma Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.50	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	8.0	mm	Nebulizer Pump	0.10	rps	Makeup/Dilution Gas		0.60 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	5.6	V	Deflect	16.4	V
Extract 2	-75.0	V	Cell Entrance	-50	V	Plate Bias	-55	V
Omega Bias	-45	V	Cell Exit	-70	V			

Cell Parameters

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSICVW_00075

Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	ICV 240-270327/7 03/13/2017 10:54				CCV 240-270327/116 03/13/2017 18:37				CCV 240-270327/130 03/13/2017 19:35			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	39.8		40.0	100	48.6		50.0	97	48.6		50.0	97
Arsenic	40.9		40.0	102	49.0		50.0	98	48.6		50.0	97
Barium	40.4		40.0	101	49.2		50.0	98	48.8		50.0	98
Beryllium	40.9		40.0	102	49.7		50.0	99	49.7		50.0	99
Cadmium	41.0		40.0	102	50.3		50.0	101	49.6		50.0	99
Calcium	20200		20000	101	25000		25000	100	24600		25000	99
Chromium	40.1		40.0	100	48.9		50.0	98	47.1		50.0	94
Cobalt	40.7		40.0	102	49.2		50.0	98	47.4		50.0	95
Copper	41.3		40.0	103	49.3		50.0	99	47.5		50.0	95
Lead	40.8		40.0	102	49.6		50.0	99	48.2		50.0	96
Magnesium	20100		20000	100	25400		25000	101	24700		25000	99
Molybdenum	40.5		40.0	101	51.2		50.0	102	51.1		50.0	102
Nickel	40.8		40.0	102	48.6		50.0	97	47.5		50.0	95
Selenium	42.5		40.0	106	50.2		50.0	100	51.7		50.0	103
Silver	40.1		40.0	100	50.3		50.0	101	49.4		50.0	99
Thallium	41.0		40.0	102	50.2		50.0	100	48.3		50.0	97
Tungsten	40.0		40.0	100	47.2		50.0	94	49.2		50.0	98
Vanadium	39.8		40.0	99	46.8		50.0	94	46.2		50.0	92
Zinc	41.2		40.0	103	48.2		50.0	96	46.0		50.0	92

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSICVW_00075 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270327/142 03/13/2017 20:26				CCV 240-270327/154 03/13/2017 21:17							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	47.1		50.0	94	48.5		50.0	97				
Arsenic	48.4		50.0	97	49.4		50.0	99				
Barium	48.5		50.0	97	49.5		50.0	99				
Beryllium	50.7		50.0	101	51.8		50.0	104				
Cadmium	48.4		50.0	97	50.0		50.0	100				
Calcium	24800		25000	99	25100		25000	100				
Chromium	47.4		50.0	95	48.7		50.0	97				
Cobalt	47.4		50.0	95	48.3		50.0	97				
Copper	47.1		50.0	94	48.3		50.0	97				
Lead	48.8		50.0	98	48.5		50.0	97				
Magnesium	24900		25000	100	25100		25000	101				
Molybdenum	52.3		50.0	105	53.0		50.0	106				
Nickel	47.9		50.0	96	48.7		50.0	97				
Selenium	50.7		50.0	101	50.8		50.0	102				
Silver	50.6		50.0	101	51.3		50.0	103				
Thallium	49.4		50.0	99	48.8		50.0	98				
Tungsten	46.4		50.0	93	46.2		50.0	92				
Vanadium	47.0		50.0	94	47.5		50.0	95				
Zinc	45.9		50.0	92	47.2		50.0	94				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSCRI6020AW_00050 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	ICVL 240-270327/9 03/13/2017 11:03				CCV 240-270327/116 03/13/2017 18:37				CCV 240-270327/130 03/13/2017 19:35			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	2.12		2.00	106	48.6		50.0	97	48.6		50.0	97
Arsenic	4.94	J	5.00	99	49.0		50.0	98	48.6		50.0	97
Barium	4.89	J	5.00	98	49.2		50.0	98	48.8		50.0	98
Beryllium	0.934	J	1.00	93	49.7		50.0	99	49.7		50.0	99
Cadmium	1.05		1.00	105	50.3		50.0	101	49.6		50.0	99
Calcium	1080		1000	108	25000		25000	100	24600		25000	99
Chromium	2.10		2.00	105	48.9		50.0	98	47.1		50.0	94
Cobalt	1.03		1.00	103	49.2		50.0	98	47.4		50.0	95
Copper	2.13		2.00	106	49.3		50.0	99	47.5		50.0	95
Lead	1.06		1.00	106	49.6		50.0	99	48.2		50.0	96
Magnesium	1040		1000	104	25400		25000	101	24700		25000	99
Molybdenum	5.13	J	5.00	103	51.2		50.0	102	51.1		50.0	102
Nickel	2.14		2.00	107	48.6		50.0	97	47.5		50.0	95
Selenium	5.18		5.00	104	50.2		50.0	100	51.7		50.0	103
Silver	1.02		1.00	102	50.3		50.0	101	49.4		50.0	99
Thallium	1.05		1.00	105	50.2		50.0	100	48.3		50.0	97
Tungsten	9.37	J	10.0	94	47.2		50.0	94	49.2		50.0	98
Vanadium	4.98	J	5.00	100	46.8		50.0	94	46.2		50.0	92
Zinc	23.0		20.0	115	48.2		50.0	96	46.0		50.0	92

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSCRI6020AW_00050 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270327/142 03/13/2017 20:26				CCV 240-270327/154 03/13/2017 21:17							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	47.1		50.0	94	48.5		50.0	97				
Arsenic	48.4		50.0	97	49.4		50.0	99				
Barium	48.5		50.0	97	49.5		50.0	99				
Beryllium	50.7		50.0	101	51.8		50.0	104				
Cadmium	48.4		50.0	97	50.0		50.0	100				
Calcium	24800		25000	99	25100		25000	100				
Chromium	47.4		50.0	95	48.7		50.0	97				
Cobalt	47.4		50.0	95	48.3		50.0	97				
Copper	47.1		50.0	94	48.3		50.0	97				
Lead	48.8		50.0	98	48.5		50.0	97				
Magnesium	24900		25000	100	25100		25000	101				
Molybdenum	52.3		50.0	105	53.0		50.0	106				
Nickel	47.9		50.0	96	48.7		50.0	97				
Selenium	50.7		50.0	101	50.8		50.0	102				
Silver	50.6		50.0	101	51.3		50.0	103				
Thallium	49.4		50.0	99	48.8		50.0	98				
Tungsten	46.4		50.0	93	46.2		50.0	92				
Vanadium	47.0		50.0	94	47.5		50.0	95				
Zinc	45.9		50.0	92	47.2		50.0	94				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSICVW_00075 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	ICV 240-270801/7 03/15/2017 10:20				CCV 240-270801/19 03/15/2017 11:11				CCV 240-270801/31 03/15/2017 12:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	41.6		40.0	104	51.1		50.0	102	53.3		50.0	107
Arsenic	41.2		40.0	103	49.4		50.0	99	49.4		50.0	99
Barium	40.1		40.0	100	49.3		50.0	99	49.5		50.0	99
Beryllium	41.0		40.0	102	48.7		50.0	97	49.0		50.0	98
Cadmium	41.3		40.0	103	50.6		50.0	101	51.2		50.0	102
Calcium	20200		20000	101	24600		25000	98	25000		25000	100
Chromium	40.8		40.0	102	49.4		50.0	99	50.4		50.0	101
Cobalt	40.9		40.0	102	49.9		50.0	100	50.6		50.0	101
Copper	41.8		40.0	104	50.5		50.0	101	51.4		50.0	103
Lead	41.0		40.0	102	50.4		50.0	101	49.8		50.0	100
Magnesium	20100		20000	100	24600		25000	98	25200		25000	101
Molybdenum	40.0		40.0	100	51.8		50.0	104	50.9		50.0	102
Nickel	41.8		40.0	105	50.7		50.0	101	51.1		50.0	102
Selenium	43.1		40.0	108	48.8		50.0	98	51.4		50.0	103
Silver	40.8		40.0	102	50.4		50.0	101	50.2		50.0	100
Thallium	40.9		40.0	102	50.2		50.0	100	49.8		50.0	100
Tungsten	40.0		40.0	100	48.7		50.0	97	51.8		50.0	104
Vanadium	41.8		40.0	105	49.1		50.0	98	49.8		50.0	100
Zinc	42.4		40.0	106	49.8		50.0	100	52.3		50.0	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSICVW_00075 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270801/52 03/15/2017 13:31				CCV 240-270801/64 03/15/2017 14:21				CCV 240-270801/67 03/15/2017 14:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	51.3		50.0	103	51.4		50.0	103	51.6		50.0	103
Arsenic	48.5		50.0	97	48.6		50.0	97	48.6		50.0	97
Barium	48.5		50.0	97	48.6		50.0	97	49.4		50.0	99
Beryllium	47.5		50.0	95	48.0		50.0	96	47.8		50.0	96
Cadmium	51.2		50.0	102	50.4		50.0	101	50.6		50.0	101
Calcium	24400		25000	97	24600		25000	98	24600		25000	99
Chromium	49.2		50.0	98	50.0		50.0	100	49.1		50.0	98
Cobalt	49.9		50.0	100	50.1		50.0	100	49.6		50.0	99
Copper	50.5		50.0	101	50.7		50.0	101	49.8		50.0	100
Lead	50.5		50.0	101	50.6		50.0	101	50.5		50.0	101
Magnesium	24500		25000	98	25000		25000	100	24400		25000	97
Molybdenum	49.8		50.0	100	49.3		50.0	99	49.3		50.0	99
Nickel	50.6		50.0	101	51.2		50.0	102	50.4		50.0	101
Selenium	49.6		50.0	99	49.3		50.0	99	49.8		50.0	100
Silver	50.7		50.0	101	50.7		50.0	101	50.1		50.0	100
Thallium	50.6		50.0	101	50.3		50.0	101	49.8		50.0	100
Tungsten	48.7		50.0	97	48.9		50.0	98	48.8		50.0	98
Vanadium	47.9		50.0	96	49.2		50.0	98	46.9		50.0	94
Zinc	51.6		50.0	103	52.1		50.0	104	50.5		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSICVW_00075 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270801/79 03/15/2017 15:25				CCV 240-270801/133 03/15/2017 19:13				CCV 240-270801/145 03/15/2017 20:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	51.6		50.0	103	50.1		50.0	100	52.4		50.0	105
Arsenic	50.0		50.0	100	49.8		50.0	100	52.4		50.0	105
Barium	50.0		50.0	100	48.2		50.0	96	49.6		50.0	99
Beryllium	48.9		50.0	98	50.3		50.0	101	48.5		50.0	97
Cadmium	51.7		50.0	103	50.6		50.0	101	51.1		50.0	102
Calcium	25000		25000	100	24800		25000	99	24700		25000	99
Chromium	50.5		50.0	101	49.3		50.0	99	49.9		50.0	100
Cobalt	50.9		50.0	102	48.6		50.0	97	50.9		50.0	102
Copper	52.1		50.0	104	48.7		50.0	97	51.1		50.0	102
Lead	50.7		50.0	101	49.9		50.0	100	50.7		50.0	101
Magnesium	25100		25000	100	25500		25000	102	25100		25000	100
Molybdenum	50.6		50.0	101	50.4		50.0	101	50.6		50.0	101
Nickel	51.9		50.0	104	49.0		50.0	98	51.3		50.0	103
Selenium	52.2		50.0	104	53.3		50.0	107	50.5		50.0	101
Silver	50.5		50.0	101	50.0		50.0	100	49.8		50.0	100
Thallium	50.5		50.0	101	49.8		50.0	100	50.2		50.0	100
Tungsten	52.0		50.0	104	47.3		50.0	95	47.4		50.0	95
Vanadium	51.0		50.0	102	47.6		50.0	95	49.0		50.0	98
Zinc	51.6		50.0	103	48.8		50.0	98	51.6		50.0	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSICVW_00075 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270801/157 03/15/2017 20:54				CCV 240-270801/160 03/15/2017 21:07							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	52.3		50.0	105	51.5		50.0	103				
Arsenic	51.8		50.0	104	51.1		50.0	102				
Barium	50.3		50.0	101	49.6		50.0	99				
Beryllium	48.5		50.0	97	49.6		50.0	99				
Cadmium	51.0		50.0	102	50.7		50.0	101				
Calcium	24700		25000	99	24600		25000	99				
Chromium	49.9		50.0	100	49.9		50.0	100				
Cobalt	49.9		50.0	100	49.5		50.0	99				
Copper	50.6		50.0	101	51.2		50.0	102				
Lead	49.2		50.0	98	50.9		50.0	102				
Magnesium	24700		25000	99	24500		25000	98				
Molybdenum	50.3		50.0	101	50.8		50.0	102				
Nickel	51.2		50.0	102	50.3		50.0	101				
Selenium	50.5		50.0	101	50.5		50.0	101				
Silver	50.3		50.0	101	50.4		50.0	101				
Thallium	49.1		50.0	98	50.4		50.0	101				
Tungsten	47.3		50.0	95	47.9		50.0	96				
Vanadium	50.1		50.0	100	50.0		50.0	100				
Zinc	50.4		50.0	101	52.1		50.0	104				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSCRI6020AW_00050

Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	ICVL 240-270801/9 03/15/2017 10:29				CCV 240-270801/19 03/15/2017 11:11				CCV 240-270801/31 03/15/2017 12:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	2.06		2.00	103	51.1		50.0	102	53.3		50.0	107
Arsenic	5.01		5.00	100	49.4		50.0	99	49.4		50.0	99
Barium	4.81	J	5.00	96	49.3		50.0	99	49.5		50.0	99
Beryllium	0.935	J	1.00	94	48.7		50.0	97	49.0		50.0	98
Cadmium	1.04		1.00	104	50.6		50.0	101	51.2		50.0	102
Calcium	1060		1000	106	24600		25000	98	25000		25000	100
Chromium	2.18		2.00	109	49.4		50.0	99	50.4		50.0	101
Cobalt	1.05		1.00	105	49.9		50.0	100	50.6		50.0	101
Copper	2.27		2.00	113	50.5		50.0	101	51.4		50.0	103
Lead	1.07		1.00	107	50.4		50.0	101	49.8		50.0	100
Magnesium	1070		1000	107	24600		25000	98	25200		25000	101
Molybdenum	4.49	J	5.00	90	51.8		50.0	104	50.9		50.0	102
Nickel	2.33		2.00	116	50.7		50.0	101	51.1		50.0	102
Selenium	5.52		5.00	110	48.8		50.0	98	51.4		50.0	103
Silver	0.999	J	1.00	100	50.4		50.0	101	50.2		50.0	100
Thallium	1.01		1.00	101	50.2		50.0	100	49.8		50.0	100
Tungsten	9.33	J	10.0	93	48.7		50.0	97	51.8		50.0	104
Vanadium	4.82	J	5.00	96	49.1		50.0	98	49.8		50.0	100
Zinc	23.1		20.0	116	49.8		50.0	100	52.3		50.0	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSCRI6020AW_00050

Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270801/52 03/15/2017 13:31				CCV 240-270801/64 03/15/2017 14:21				CCV 240-270801/67 03/15/2017 14:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	51.3		50.0	103	51.4		50.0	103	51.6		50.0	103
Arsenic	48.5		50.0	97	48.6		50.0	97	48.6		50.0	97
Barium	48.5		50.0	97	48.6		50.0	97	49.4		50.0	99
Beryllium	47.5		50.0	95	48.0		50.0	96	47.8		50.0	96
Cadmium	51.2		50.0	102	50.4		50.0	101	50.6		50.0	101
Calcium	24400		25000	97	24600		25000	98	24600		25000	99
Chromium	49.2		50.0	98	50.0		50.0	100	49.1		50.0	98
Cobalt	49.9		50.0	100	50.1		50.0	100	49.6		50.0	99
Copper	50.5		50.0	101	50.7		50.0	101	49.8		50.0	100
Lead	50.5		50.0	101	50.6		50.0	101	50.5		50.0	101
Magnesium	24500		25000	98	25000		25000	100	24400		25000	97
Molybdenum	49.8		50.0	100	49.3		50.0	99	49.3		50.0	99
Nickel	50.6		50.0	101	51.2		50.0	102	50.4		50.0	101
Selenium	49.6		50.0	99	49.3		50.0	99	49.8		50.0	100
Silver	50.7		50.0	101	50.7		50.0	101	50.1		50.0	100
Thallium	50.6		50.0	101	50.3		50.0	101	49.8		50.0	100
Tungsten	48.7		50.0	97	48.9		50.0	98	48.8		50.0	98
Vanadium	47.9		50.0	96	49.2		50.0	98	46.9		50.0	94
Zinc	51.6		50.0	103	52.1		50.0	104	50.5		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSCRI6020AW_00050 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270801/79 03/15/2017 15:25				CCV 240-270801/133 03/15/2017 19:13				CCV 240-270801/145 03/15/2017 20:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	51.6		50.0	103	50.1		50.0	100	52.4		50.0	105
Arsenic	50.0		50.0	100	49.8		50.0	100	52.4		50.0	105
Barium	50.0		50.0	100	48.2		50.0	96	49.6		50.0	99
Beryllium	48.9		50.0	98	50.3		50.0	101	48.5		50.0	97
Cadmium	51.7		50.0	103	50.6		50.0	101	51.1		50.0	102
Calcium	25000		25000	100	24800		25000	99	24700		25000	99
Chromium	50.5		50.0	101	49.3		50.0	99	49.9		50.0	100
Cobalt	50.9		50.0	102	48.6		50.0	97	50.9		50.0	102
Copper	52.1		50.0	104	48.7		50.0	97	51.1		50.0	102
Lead	50.7		50.0	101	49.9		50.0	100	50.7		50.0	101
Magnesium	25100		25000	100	25500		25000	102	25100		25000	100
Molybdenum	50.6		50.0	101	50.4		50.0	101	50.6		50.0	101
Nickel	51.9		50.0	104	49.0		50.0	98	51.3		50.0	103
Selenium	52.2		50.0	104	53.3		50.0	107	50.5		50.0	101
Silver	50.5		50.0	101	50.0		50.0	100	49.8		50.0	100
Thallium	50.5		50.0	101	49.8		50.0	100	50.2		50.0	100
Tungsten	52.0		50.0	104	47.3		50.0	95	47.4		50.0	95
Vanadium	51.0		50.0	102	47.6		50.0	95	49.0		50.0	98
Zinc	51.6		50.0	103	48.8		50.0	98	51.6		50.0	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTMSCRI6020AW_00050 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00189

Analyte	CCV 240-270801/157 03/15/2017 20:54				CCV 240-270801/160 03/15/2017 21:07							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	52.3		50.0	105	51.5		50.0	103				
Arsenic	51.8		50.0	104	51.1		50.0	102				
Barium	50.3		50.0	101	49.6		50.0	99				
Beryllium	48.5		50.0	97	49.6		50.0	99				
Cadmium	51.0		50.0	102	50.7		50.0	101				
Calcium	24700		25000	99	24600		25000	99				
Chromium	49.9		50.0	100	49.9		50.0	100				
Cobalt	49.9		50.0	100	49.5		50.0	99				
Copper	50.6		50.0	101	51.2		50.0	102				
Lead	49.2		50.0	98	50.9		50.0	102				
Magnesium	24700		25000	99	24500		25000	98				
Molybdenum	50.3		50.0	101	50.8		50.0	102				
Nickel	51.2		50.0	102	50.3		50.0	101				
Selenium	50.5		50.0	101	50.5		50.0	101				
Silver	50.3		50.0	101	50.4		50.0	101				
Thallium	49.1		50.0	98	50.4		50.0	101				
Tungsten	47.3		50.0	95	47.9		50.0	96				
Vanadium	50.1		50.0	100	50.0		50.0	100				
Zinc	50.4		50.0	101	52.1		50.0	104				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTHgICV_00001_00146 Concentration Units: ug/L

CCV Source: MTHGCALW_01452

Analyte	ICV 240-270579/7-A 03/14/2017 13:21				CCV 240-270579/10-A 03/14/2017 18:42				CCV 240-270579/10-A 03/14/2017 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.15		5.00	103	5.03		5.00	101	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTHgICV_00001_00146 Concentration Units: ug/L

CCV Source: MTHGCALW_01452

Analyte	CCV 240-270579/10-A 03/14/2017 19:30				CCV 240-270579/10-A 03/14/2017 19:54							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.94		5.00	99	4.90		5.00	98				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTHgICV_00001_00146 Concentration Units: ug/L

CCV Source: MTHGCALW_01452

Analyte	ICV 240-270579/7-A 03/15/2017 08:14				CCV 240-270579/10-A 03/15/2017 08:45				CCV 240-270579/10-A 03/15/2017 09:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.01		5.00	100	5.06		5.00	101	5.29		5.00	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICV Source: MTHgICV_00001_00146 Concentration Units: ug/L

CCV Source: MTHGCALW_01452

Analyte	CCV 240-270579/10-A 03/15/2017 09:33				CCV 240-270579/10-A 03/15/2017 09:58							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.23		5.00	105	5.41		5.00	108				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
SDG No.: _____
Method: 7470A Instrument ID: H3
Lab Sample ID: CRA 240-270579/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_01452

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.183	J	92	50-150

Lab Sample ID: CRA 240-270579/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_01452

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.232		116	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-270327/8 03/13/2017 10:59		CCB 240-270327/117 03/13/2017 18:41		CCB 240-270327/131 03/13/2017 19:40		CCB 240-270327/143 03/13/2017 20:30	
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.740	J	0.498	J	1.04	J	0.559	J
Arsenic	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Barium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Beryllium	1.0	1.0	U	1.0	U	0.112	J	1.0	U
Cadmium	1.0	1.0	U	1.0	U	0.0730	J	1.0	U
Calcium	1000	1000	U	1000	U	1000	U	1000	U
Chromium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cobalt	1.0	1.0	U	1.0	U	0.0620	J	1.0	U
Copper	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Lead	1.0	1.0	U	1.0	U	0.188	J	1.0	U
Magnesium	1000	1000	U	1000	U	1000	U	1000	U
Molybdenum	10	0.776	J	0.759	J	0.866	J	0.704	J
Nickel	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Selenium	5.0	5.0	U	5.0	U	0.352	J	5.0	U
Silver	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Thallium	1.0	1.0	U	1.0	U	0.0810	J	1.0	U
Tungsten	10	1.98	J	1.83	J	2.12	J	1.67	J
Vanadium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Zinc	20	20	U	20	U	20	U	20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-270327/155 03/13/2017 21:21							
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.545	J						
Arsenic	5.0	5.0	U						
Barium	5.0	5.0	U						
Beryllium	1.0	1.0	U						
Cadmium	1.0	1.0	U						
Calcium	1000	1000	U						
Chromium	2.0	2.0	U						
Cobalt	1.0	1.0	U						
Copper	2.0	2.0	U						
Lead	1.0	1.0	U						
Magnesium	1000	1000	U						
Molybdenum	10	0.785	J						
Nickel	2.0	2.0	U						
Selenium	5.0	5.0	U						
Silver	1.0	1.0	U						
Thallium	1.0	1.0	U						
Tungsten	10	1.87	J						
Vanadium	5.0	5.0	U						
Zinc	20	20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-270801/8 03/15/2017 10:24		CCB 240-270801/20 03/15/2017 11:15		CCB 240-270801/32 03/15/2017 12:06		CCB 240-270801/53 03/15/2017 13:35	
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.906	J	0.456	J	0.949	J	0.560	J
Arsenic	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Barium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Beryllium	1.0	1.0	U	1.0	U	0.205	J	0.170	J
Cadmium	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	1000	1000	U	1000	U	1000	U	1000	U
Chromium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cobalt	1.0	1.0	U	1.0	U	0.0300	J	0.0340	J
Copper	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Lead	1.0	1.0	U	1.0	U	1.0	U	0.111	J
Magnesium	1000	1000	U	1000	U	1000	U	1000	U
Molybdenum	10	10	U	10	U	10	U	10	U
Nickel	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Selenium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Thallium	1.0	1.0	U	1.0	U	0.0840	J	1.0	U
Tungsten	10	1.61	J	1.51	J	1.80	J	1.69	J
Vanadium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Zinc	20	20	U	20	U	20	U	20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-270801/65 03/15/2017 14:26		CCB 240-270801/68 03/15/2017 14:38		CCB 240-270801/80 03/15/2017 15:29		CCB 240-270801/134 03/15/2017 19:17	
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.477	J	0.545	J	0.724	J	0.376	J
Arsenic	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Barium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Beryllium	1.0	0.113	J	0.111	J	0.136	J	1.0	U
Cadmium	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	1000	1000	U	1000	U	1000	U	1000	U
Chromium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cobalt	1.0	0.0210	J	0.0230	J	0.0340	J	0.0210	J
Copper	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Lead	1.0	0.128	J	0.114	J	0.158	J	0.111	J
Magnesium	1000	1000	U	1000	U	1000	U	1000	U
Molybdenum	10	10	U	10	U	10	U	10	U
Nickel	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Selenium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Thallium	1.0	1.0	U	1.0	U	0.0750	J	1.0	U
Tungsten	10	1.61	J	1.67	J	1.83	J	1.78	J
Vanadium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Zinc	20	20	U	20	U	20	U	20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-270801/146 03/15/2017 20:08		CCB 240-270801/158 03/15/2017 20:59		CCB 240-270801/161 03/15/2017 21:11		Found	C
		Found	C	Found	C	Found	C		
Antimony	2.0	0.578	J	0.427	J	0.460	J		
Arsenic	5.0	5.0	U	5.0	U	5.0	U		
Barium	5.0	5.0	U	5.0	U	5.0	U		
Beryllium	1.0	0.157	J	1.0	U	1.0	U		
Cadmium	1.0	1.0	U	1.0	U	1.0	U		
Calcium	1000	1000	U	1000	U	1000	U		
Chromium	2.0	2.0	U	2.0	U	2.0	U		
Cobalt	1.0	0.0270	J	1.0	U	0.0260	J		
Copper	2.0	2.0	U	2.0	U	2.0	U		
Lead	1.0	0.161	J	0.134	J	0.119	J		
Magnesium	1000	1000	U	1000	U	1000	U		
Molybdenum	10	10	U	10	U	10	U		
Nickel	2.0	2.0	U	2.0	U	2.0	U		
Selenium	5.0	5.0	U	5.0	U	5.0	U		
Silver	1.0	1.0	U	1.0	U	1.0	U		
Thallium	1.0	1.0	U	1.0	U	1.0	U		
Tungsten	10	1.85	J	1.66	J	1.88	J		
Vanadium	5.0	5.0	U	5.0	U	5.0	U		
Zinc	20	20	U	20	U	20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-270579/8-A 03/14/2017 13:23		CCB 240-270579/11-A 03/14/2017 18:44		CCB 240-270579/11-A 03/14/2017 19:08		CCB 240-270579/11-A 03/14/2017 19:32	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-270579/11-A 03/14/2017 19:56							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-270579/8-A 03/15/2017 08:16		CCB 240-270579/11-A 03/15/2017 08:47		CCB 240-270579/11-A 03/15/2017 09:11		CCB 240-270579/11-A 03/15/2017 09:35	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-270579/11-A 03/15/2017 10:00		CCB 240-270733/63 03/15/2017 10:24		CCB 240-270733/77 03/15/2017 10:52			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 240-270163/1-A

Instrument Code: I10 Batch No.: 270327

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	2.0	U		6020
7440-38-2	Arsenic	5.0	U		6020
7440-39-3	Barium	5.0	U		6020
7440-41-7	Beryllium	1.0	U		6020
7440-43-9	Cadmium	1.0	U		6020
7440-47-3	Chromium	2.0	U		6020
7440-48-4	Cobalt	1.0	U		6020
7440-50-8	Copper	2.0	U		6020
7439-92-1	Lead	1.0	U		6020
7439-98-7	Molybdenum	1.17	J		6020
7440-02-0	Nickel	2.0	U		6020
7782-49-2	Selenium	5.0	U		6020
7440-22-4	Silver	1.0	U		6020
7440-28-0	Thallium	1.0	U		6020
7440-62-2	Vanadium	5.0	U		6020
7440-66-6	Zinc	20	U		6020
7440-70-2	Calcium	1000	U		6020
7439-95-4	Magnesium	1000	U		6020
7440-33-7	Tungsten	10	U		6020

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 240-270164/1-A
 Instrument Code: I10 Batch No.: 270801

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	2.0	U		6020
7440-38-2	Arsenic	5.0	U		6020
7440-39-3	Barium	5.0	U		6020
7440-41-7	Beryllium	1.0	U		6020
7440-43-9	Cadmium	1.0	U		6020
7440-47-3	Chromium	2.0	U		6020
7440-48-4	Cobalt	1.0	U		6020
7440-50-8	Copper	2.0	U		6020
7439-92-1	Lead	0.237	J		6020
7439-98-7	Molybdenum	10	U		6020
7440-02-0	Nickel	2.0	U		6020
7782-49-2	Selenium	5.0	U		6020
7440-22-4	Silver	1.0	U		6020
7440-28-0	Thallium	1.0	U		6020
7440-62-2	Vanadium	5.0	U		6020
7440-66-6	Zinc	20	U		6020
7440-70-2	Calcium	1000	U		6020
7439-95-4	Magnesium	1000	U		6020
7440-33-7	Tungsten	10	U		6020

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L

Lab Sample ID: MB 240-270500/1-A

Instrument Code: I10

Batch No.: 270801

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	2.0	U		6020
7440-38-2	Arsenic	5.0	U		6020
7440-39-3	Barium	0.964	J		6020
7440-41-7	Beryllium	1.0	U		6020
7440-43-9	Cadmium	1.0	U		6020
7440-47-3	Chromium	2.0	U		6020
7440-48-4	Cobalt	1.0	U		6020
7440-50-8	Copper	1.06	J		6020
7439-92-1	Lead	1.0	U		6020
7439-98-7	Molybdenum	10	U		6020
7440-02-0	Nickel	0.709	J		6020
7782-49-2	Selenium	5.0	U		6020
7440-22-4	Silver	1.0	U		6020
7440-28-0	Thallium	1.0	U		6020
7440-62-2	Vanadium	5.0	U		6020
7440-66-6	Zinc	20	U		6020
7440-70-2	Calcium	192	J		6020
7439-95-4	Magnesium	73.4	J		6020
7440-33-7	Tungsten	10	U		6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 240-270434/1-A

Instrument Code: H3 Batch No.: 270581

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 240-270425/1-A

Instrument Code: H3 Batch No.: 270733

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-270327/10 Instrument ID: I10
 Lab File ID: 010ICSA.d ICS Source: MTMSICSAW_00078
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		0.158	
Arsenic		0.0900	
Barium		0.0620	
Beryllium		-0.0160	
Cadmium		0.163	
Calcium	50000	50166	100
Chromium		0.677	
Cobalt		0.0030	
Copper		0.415	
Lead		0.116	
Magnesium	50000	49957	100
Molybdenum	1000	1006	101
Nickel		0.0230	
Selenium		0.188	
Silver		0.0110	
Thallium		0.0000	
Tungsten		0.617	
Vanadium		0.0240	
Zinc		0.119	
<i>Aluminum</i>	<i>50000</i>	<i>49246</i>	<i>98</i>
<i>Boron</i>		<i>0.890</i>	
<i>Iron</i>	<i>50000</i>	<i>49958</i>	<i>100</i>
<i>Lithium</i>		<i>-0.0380</i>	
<i>Manganese</i>		<i>0.0590</i>	
<i>Potassium</i>	<i>50000</i>	<i>49353</i>	<i>99</i>
<i>Sodium</i>	<i>50000</i>	<i>50552</i>	<i>101</i>
<i>Strontium</i>		<i>0.336</i>	
<i>Tin</i>		<i>0.132</i>	
<i>Titanium</i>	<i>1000</i>	<i>1005</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-270327/11 Instrument ID: I10
 Lab File ID: 011ICAB.d ICS Source: MTMSICSABW_00075
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Antimony	100	101	101
Arsenic	100	100	100
Barium	100	101	101
Beryllium	100	101	101
Cadmium	100	101	101
Calcium	50000	50845	102
Chromium	100	102	102
Cobalt	100	103	103
Copper	100	101	101
Lead	100	103	103
Magnesium	50000	50820	102
Molybdenum	1100	1138	103
Nickel	100	101	101
Selenium	100	100	100
Silver	100	93.9	94
Thallium	100	103	103
Tungsten	100	104	104
Vanadium	100	99.7	100
Zinc	100	102	102
<i>Aluminum</i>	<i>50000</i>	<i>49961</i>	<i>100</i>
<i>Boron</i>	<i>100</i>	<i>99.2</i>	<i>99</i>
<i>Iron</i>	<i>50000</i>	<i>50446</i>	<i>101</i>
<i>Lithium</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Manganese</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Potassium</i>	<i>50000</i>	<i>50493</i>	<i>101</i>
<i>Sodium</i>	<i>50000</i>	<i>51220</i>	<i>102</i>
<i>Strontium</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Tin</i>	<i>100</i>	<i>98.0</i>	<i>98</i>
<i>Titanium</i>	<i>1100</i>	<i>1132</i>	<i>103</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-270327/119 Instrument ID: I10
 Lab File ID: 119ICSA.d ICS Source: MTMSICSAW_00078
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		0.155	
Arsenic		0.0620	
Barium		0.0690	
Beryllium		-0.0010	
Cadmium		0.186	
Calcium	50000	49386	99
Chromium		0.670	
Cobalt		0.0080	
Copper		0.463	
Lead		0.163	
Magnesium	50000	49377	99
Molybdenum	1000	981	98
Nickel		-0.0010	
Selenium		0.0920	
Silver		0.0160	
Thallium		-0.0010	
Tungsten		0.570	
Vanadium		0.0230	
Zinc		0.163	
<i>Aluminum</i>	<i>50000</i>	<i>47833</i>	<i>96</i>
<i>Boron</i>		<i>2.65</i>	
<i>Iron</i>	<i>50000</i>	<i>48002</i>	<i>96</i>
<i>Lithium</i>		<i>-0.587</i>	
<i>Manganese</i>		<i>0.0780</i>	
<i>Potassium</i>	<i>50000</i>	<i>49887</i>	<i>100</i>
<i>Sodium</i>	<i>50000</i>	<i>49893</i>	<i>100</i>
<i>Strontium</i>		<i>0.353</i>	
<i>Tin</i>		<i>0.0440</i>	
<i>Titanium</i>	<i>1000</i>	<i>970</i>	<i>97</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-270327/120 Instrument ID: I10
 Lab File ID: 120ICAB.d ICS Source: MTMSICSABW_00075
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Antimony	100	95.2	95
Arsenic	100	96.7	97
Barium	100	98.4	98
Beryllium	100	93.7	94
Cadmium	100	98.4	98
Calcium	50000	50149	100
Chromium	100	97.4	97
Cobalt	100	97.5	98
Copper	100	95.3	95
Lead	100	97.1	97
Magnesium	50000	49107	98
Molybdenum	1100	1087	99
Nickel	100	96.1	96
Selenium	100	99.5	99
Silver	100	91.0	91
Thallium	100	97.0	97
Tungsten	100	99.2	99
Vanadium	100	95.2	95
Zinc	100	96.0	96
<i>Aluminum</i>	<i>50000</i>	<i>48154</i>	<i>96</i>
<i>Boron</i>	<i>100</i>	<i>94.9</i>	<i>95</i>
<i>Iron</i>	<i>50000</i>	<i>49079</i>	<i>98</i>
<i>Lithium</i>	<i>100</i>	<i>92.3</i>	<i>92</i>
<i>Manganese</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Potassium</i>	<i>50000</i>	<i>50548</i>	<i>101</i>
<i>Sodium</i>	<i>50000</i>	<i>50204</i>	<i>100</i>
<i>Strontium</i>	<i>100</i>	<i>99.5</i>	<i>100</i>
<i>Tin</i>	<i>100</i>	<i>94.0</i>	<i>94</i>
<i>Titanium</i>	<i>1100</i>	<i>1075</i>	<i>98</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-270801/10 Instrument ID: I10
 Lab File ID: 010ICSA.d ICS Source: MTMSICSAW_00078
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		0.134	
Arsenic		0.104	
Barium		0.0570	
Beryllium		0.0160	
Cadmium		0.257	
Calcium	50000	50743	101
Chromium		0.674	
Cobalt		0.0210	
Copper		0.264	
Lead		0.120	
Magnesium	50000	50532	101
Molybdenum	1000	996	100
Nickel		0.0630	
Selenium		0.158	
Silver		0.0120	
Thallium		0.0080	
Tungsten		0.403	
Vanadium		0.159	
Zinc		-0.475	
<i>Aluminum</i>	<i>50000</i>	<i>48501</i>	<i>97</i>
<i>Boron</i>		<i>0.185</i>	
<i>Iron</i>	<i>50000</i>	<i>50547</i>	<i>101</i>
<i>Lithium</i>		<i>0.367</i>	
<i>Manganese</i>		<i>0.100</i>	
<i>Potassium</i>	<i>50000</i>	<i>49583</i>	<i>99</i>
<i>Sodium</i>	<i>50000</i>	<i>50538</i>	<i>101</i>
<i>Strontium</i>		<i>0.377</i>	
<i>Tin</i>		<i>0.0800</i>	
<i>Titanium</i>	<i>1000</i>	<i>1015</i>	<i>102</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-270801/11 Instrument ID: I10
 Lab File ID: 011ICAB.d ICS Source: MTMSICSABW_00075
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Antimony	100	106	106
Arsenic	100	103	103
Barium	100	104	104
Beryllium	100	103	103
Cadmium	100	103	103
Calcium	50000	52137	104
Chromium	100	104	104
Cobalt	100	104	104
Copper	100	103	103
Lead	100	107	107
Magnesium	50000	52060	104
Molybdenum	1100	1140	104
Nickel	100	105	105
Selenium	100	102	102
Silver	100	96.3	96
Thallium	100	106	106
Tungsten	100	106	106
Vanadium	100	104	104
Zinc	100	105	105
<i>Aluminum</i>	<i>50000</i>	<i>49642</i>	<i>99</i>
<i>Boron</i>	<i>100</i>	<i>97.2</i>	<i>97</i>
<i>Iron</i>	<i>50000</i>	<i>51411</i>	<i>103</i>
<i>Lithium</i>	<i>100</i>	<i>108</i>	<i>108</i>
<i>Manganese</i>	<i>100</i>	<i>105</i>	<i>105</i>
<i>Potassium</i>	<i>50000</i>	<i>50916</i>	<i>102</i>
<i>Sodium</i>	<i>50000</i>	<i>51760</i>	<i>104</i>
<i>Strontium</i>	<i>100</i>	<i>103</i>	<i>103</i>
<i>Tin</i>	<i>100</i>	<i>99.2</i>	<i>99</i>
<i>Titanium</i>	<i>1100</i>	<i>1169</i>	<i>106</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MSA-SW37A-030917 MS

Lab ID: 240-76547-1 MS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	105	1.4 J	100	104	75-125		6020
Arsenic	956	1.8 J	1000	95	75-125		6020
Barium	1070	26	1000	105	75-125		6020
Beryllium	947	1.0 U	1000	95	75-125		6020
Cadmium	941	1.0 U	1000	94	75-125		6020
Chromium	975	0.33 J	1000	97	75-125		6020
Cobalt	945	0.63 J	1000	94	75-125		6020
Copper	911	3.0	1000	91	75-125		6020
Lead	933	0.52 J	1000	93	75-125		6020
Molybdenum	118	1.7 J	100	116	75-125		6020
Nickel	926	1.3 J	1000	93	75-125		6020
Selenium	884	0.60 J	1000	88	75-125		6020
Silver	99.9	1.0 U	100	100	75-125		6020
Thallium	234	1.0 U	250	94	75-125		6020
Vanadium	994	5.0 U	1000	99	75-125		6020
Zinc	877	20 U	1000	88	75-125		6020
Calcium	69900	60000	10000	94	75-125	4	6020
Magnesium	146000	140000	10000	76	75-125	4	6020
Tungsten	103	2.6 J	100	100	75-125		6020
Mercury	1.17	0.20 U	1.00	117	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MSA-SW41A-030917 MS

Lab ID: 240-76547-17 MS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	94.7	1.5 J	100	93	75-125		6020
Arsenic	901	1.3 J	1000	90	75-125		6020
Barium	1020	24	1000	100	75-125		6020
Beryllium	939	1.0 U	1000	94	75-125		6020
Cadmium	888	1.0 U	1000	89	75-125		6020
Chromium	975	2.0 U	1000	98	75-125		6020
Cobalt	927	0.82 J	1000	93	75-125		6020
Copper	851	2.2	1000	85	75-125		6020
Lead	921	0.34 J	1000	92	75-125		6020
Molybdenum	121	2.7 J	100	119	75-125		6020
Nickel	857	1.2 J	1000	86	75-125		6020
Selenium	879	1.1 J	1000	88	75-125		6020
Silver	98.0	1.0 U	100	98	75-125		6020
Thallium	240	1.0 U	250	96	75-125		6020
Vanadium	991	5.0 U	1000	99	75-125		6020
Zinc	792	20 U	1000	79	75-125		6020
Calcium	67800	58000	10000	97	75-125	4	6020
Magnesium	145000	130000	10000	156	75-125	4	6020
Tungsten	99.6	2.9 J	100	97	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MSA-SW42A-030917 MS

Lab ID: 240-76547-21 MS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.15	0.20 U	1.00	115	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: _____

Lab ID: 240-76575-A-4-E MS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	102	2.0 U	100	102	75-125		6020
Arsenic	985	5.0 U	1000	98	75-125		6020
Barium	1040	21	1000	102	75-125		6020
Beryllium	1010	1.0 U	1000	101	75-125		6020
Cadmium	1080	1.0 U	1000	108	75-125		6020
Chromium	1040	0.31 J	1000	104	75-125		6020
Cobalt	1060	0.67 J	1000	106	75-125		6020
Copper	1070	2.0 U	1000	107	75-125		6020
Lead	1050	0.26 J	1000	105	75-125		6020
Molybdenum	103	10 U	100	103	75-125		6020
Nickel	1080	1.4 J	1000	108	75-125		6020
Selenium	1040	5.0 U	1000	104	75-125		6020
Silver	105	1.0 U	100	105	75-125		6020
Thallium	268	1.0 U	250	107	75-125		6020
Vanadium	1010	5.0 U	1000	101	75-125		6020
Zinc	1110	20 U	1000	111	75-125		6020
Calcium	9720	470 J	10000	93	75-125		6020
Magnesium	11600	1200	10000	104	75-125		6020
Tungsten	105	10 U	100	105	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MSA-SW37A-030917 MSD

Lab ID: 240-76547-1 MSD

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	107	100	105	75-125	1	20		6020
Arsenic	964	1000	96	75-125	1	20		6020
Barium	1080	1000	105	75-125	1	20		6020
Beryllium	902	1000	90	75-125	5	20		6020
Cadmium	943	1000	94	75-125	0	20		6020
Chromium	987	1000	99	75-125	1	20		6020
Cobalt	950	1000	95	75-125	1	20		6020
Copper	922	1000	92	75-125	1	20		6020
Lead	932	1000	93	75-125	0	20		6020
Molybdenum	118	100	116	75-125	0	20		6020
Nickel	937	1000	94	75-125	1	20		6020
Selenium	901	1000	90	75-125	2	20		6020
Silver	100	100	100	75-125	0	20		6020
Thallium	236	250	94	75-125	1	20		6020
Vanadium	1010	1000	101	75-125	2	20		6020
Zinc	889	1000	89	75-125	1	20		6020
Calcium	70500	10000	100	75-125	1	20	4	6020
Magnesium	149000	10000	103	75-125	2	20	4	6020
Tungsten	102	100	100	75-125	1	20		6020
Mercury	1.13	1.00	113	80-120	4	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MSA-SW41A-030917 MSD

Lab ID: 240-76547-17 MSD

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	91.8	100	90	75-125	3	20		6020
Arsenic	882	1000	88	75-125	2	20		6020
Barium	1000	1000	98	75-125	2	20		6020
Beryllium	903	1000	90	75-125	4	20		6020
Cadmium	865	1000	86	75-125	3	20		6020
Chromium	899	1000	90	75-125	8	20		6020
Cobalt	883	1000	88	75-125	5	20		6020
Copper	828	1000	83	75-125	3	20		6020
Lead	915	1000	91	75-125	1	20		6020
Molybdenum	117	100	115	75-125	3	20		6020
Nickel	838	1000	84	75-125	2	20		6020
Selenium	862	1000	86	75-125	2	20		6020
Silver	96.1	100	96	75-125	2	20		6020
Thallium	240	250	96	75-125	0	20		6020
Vanadium	914	1000	91	75-125	8	20		6020
Zinc	775	1000	78	75-125	2	20		6020
Calcium	66700	10000	86	75-125	2	20	4	6020
Magnesium	142000	10000	121	75-125	2	20	4	6020
Tungsten	95.3	100	92	75-125	4	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MSA-SW42A-030917 MSD

Lab ID: 240-76547-21 MSD

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.05	1.00	105	80-120	9	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 240-76575-A-4-F MSD
 Lab Name: TestAmerica Canton Job No.: 240-76547-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	105	100	105	75-125	3	20		6020
Arsenic	979	1000	98	75-125	1	20		6020
Barium	1040	1000	102	75-125	0	20		6020
Beryllium	985	1000	99	75-125	3	20		6020
Cadmium	1070	1000	107	75-125	1	20		6020
Chromium	1020	1000	102	75-125	1	20		6020
Cobalt	1020	1000	102	75-125	3	20		6020
Copper	1050	1000	105	75-125	2	20		6020
Lead	1030	1000	103	75-125	2	20		6020
Molybdenum	104	100	104	75-125	1	20		6020
Nickel	1060	1000	106	75-125	2	20		6020
Selenium	1040	1000	104	75-125	0	20		6020
Silver	107	100	107	75-125	2	20		6020
Thallium	261	250	104	75-125	3	20		6020
Vanadium	992	1000	99	75-125	2	20		6020
Zinc	1090	1000	109	75-125	2	20		6020
Calcium	9730	10000	93	75-125	0	20		6020
Magnesium	11500	10000	103	75-125	0	20		6020
Tungsten	104	100	104	75-125	1	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 240-270163/2-A

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

Sample Matrix: Water

LCS Source: MTICPMSB_00030

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	100	97.2		97	80	120		6020
Arsenic	1000	997		100	80	120		6020
Barium	1000	1000		100	80	120		6020
Beryllium	1000	945		94	80	120		6020
Cadmium	1000	1070		107	80	120		6020
Chromium	1000	1010		101	80	120		6020
Cobalt	1000	1030		103	80	120		6020
Copper	1000	1060		106	80	120		6020
Lead	1000	1060		106	80	120		6020
Molybdenum	100	104		104	80	120		6020
Nickel	1000	1020		102	80	120		6020
Selenium	1000	1060		106	80	120		6020
Silver	100	105		105	80	120		6020
Thallium	250	274		110	80	120		6020
Vanadium	1000	959		96	80	120		6020
Zinc	1000	1020		102	80	120		6020
Calcium	10000	9210		92	80	120		6020
Magnesium	10000	10300		103	80	120		6020
Tungsten	100	99.9		100	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 240-270500/2-A

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

Sample Matrix: Water

LCS Source: MTICPMSB_00030

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	100	100		100	80	120		6020
Arsenic	1000	945		95	80	120		6020
Barium	1000	973		97	80	120		6020
Beryllium	1000	1030		103	80	120		6020
Cadmium	1000	1030		103	80	120		6020
Chromium	1000	965		96	80	120		6020
Cobalt	1000	964		96	80	120		6020
Copper	1000	990		99	80	120		6020
Lead	1000	997		100	80	120		6020
Molybdenum	100	97.4		97	80	120		6020
Nickel	1000	1000		100	80	120		6020
Selenium	1000	1010		101	80	120		6020
Silver	100	102		102	80	120		6020
Thallium	250	254		102	80	120		6020
Vanadium	1000	945		95	80	120		6020
Zinc	1000	1050		105	80	120		6020
Calcium	10000	9100		91	80	120		6020
Magnesium	10000	10200		102	80	120		6020
Tungsten	100	96.6		97	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 240-270164/3-A

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

Sample Matrix: Water

LCS Source: MTICPSMB_00030

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	100	103		103	80	120		6020
Arsenic	1000	1010		101	80	120		6020
Barium	1000	1030		103	80	120		6020
Beryllium	1000	1040		104	80	120		6020
Cadmium	1000	1080		108	80	120		6020
Chromium	1000	1040		104	80	120		6020
Cobalt	1000	1070		107	80	120		6020
Copper	1000	1070		107	80	120		6020
Lead	1000	1040		104	80	120		6020
Molybdenum	100	105		105	80	120		6020
Nickel	1000	1080		108	80	120		6020
Selenium	1000	1070		107	80	120		6020
Silver	100	108		108	80	120		6020
Thallium	250	269		108	80	120		6020
Vanadium	1000	1020		102	80	120		6020
Zinc	1000	1080		108	80	120		6020
Calcium	10000	9440		94	80	120		6020
Magnesium	10000	10800		108	80	120		6020
Tungsten	100	99.6		100	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-270434/2-A

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

Sample Matrix: Water

LCS Source: MTHGCALW_01452

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.74		95	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-270425/2-A

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

Sample Matrix: Water

LCS Source: MTHGCALW_01452

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.06		101	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 240-76547-1

SDG No:

Lab Name: TestAmerica Canton

Job No: 240-76547-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	1.4	J	10	U	NC		6020
Arsenic	1.8	J	1.81	J	NC		6020
Barium	26		26.2		NC		6020
Beryllium	1.0	U	5.0	U	NC		6020
Cadmium	1.0	U	5.0	U	NC		6020
Chromium	0.33	J	10	U	NC		6020
Cobalt	0.63	J	5.0	U	NC		6020
Copper	3.0		2.55	J	NC		6020
Lead	0.52	J	5.0	U	NC		6020
Molybdenum	1.7	J	50	U	NC		6020
Nickel	1.3	J	1.80	J	NC		6020
Selenium	0.60	J	25	U	NC		6020
Silver	1.0	U	5.0	U	NC		6020
Thallium	1.0	U	5.0	U	NC		6020
Vanadium	5.0	U	25	U	NC		6020
Zinc	20	U	100	U	NC		6020
Calcium	60000		64000		NC		6020
Magnesium	140000		148000		6.9		6020
Tungsten	2.6	J	50	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 240-76547-17

SDG No: _____

Lab Name: TestAmerica Canton

Job No: 240-76547-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	1.5	J	2.25	J	NC		6020
Arsenic	1.3	J	25	U	NC		6020
Barium	24		24.3	J	NC		6020
Beryllium	1.0	U	5.0	U	NC		6020
Cadmium	1.0	U	5.0	U	NC		6020
Chromium	2.0	U	10	U	NC		6020
Cobalt	0.82	J	0.730	J	NC		6020
Copper	2.2		2.28	J	NC		6020
Lead	0.34	J	5.0	U	NC		6020
Molybdenum	2.7	J	3.04	J	NC		6020
Nickel	1.2	J	1.42	J	NC		6020
Selenium	1.1	J	25	U	NC		6020
Silver	1.0	U	5.0	U	NC		6020
Thallium	1.0	U	5.0	U	NC		6020
Vanadium	5.0	U	25	U	NC		6020
Zinc	20	U	100	U	NC		6020
Calcium	58000		59800		NC		6020
Magnesium	130000		138000		6.5		6020
Tungsten	2.9	J	50	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 240-76575-A-4-D SD ^5

SDG No:

Lab Name: TestAmerica Canton

Job No: 240-76547-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	2.0	U	10	U	NC		6020
Arsenic	5.0	U	25	U	NC		6020
Barium	21		21.9	J	NC		6020
Beryllium	1.0	U	5.0	U	NC		6020
Cadmium	1.0	U	5.0	U	NC		6020
Chromium	0.31	J	10	U	NC		6020
Cobalt	0.67	J	0.945	J	NC		6020
Copper	2.0	U	10	U	NC		6020
Lead	0.26	J	5.0	U	NC		6020
Molybdenum	10	U	50	U	NC		6020
Nickel	1.4	J	1.87	J	NC		6020
Selenium	5.0	U	25	U	NC		6020
Silver	1.0	U	5.0	U	NC		6020
Thallium	1.0	U	5.0	U	NC		6020
Vanadium	5.0	U	25	U	NC		6020
Zinc	20	U	100	U	NC		6020
Calcium	470	J	291	J	NC		6020
Magnesium	1200		1240	J	NC		6020
Tungsten	10	U	50	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10

Start Date: 03/13/2017 End Date: 03/13/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Rh	Q	Element In	Q
STD1 240-270327/3 I	10:37	96		101		98		97		99	
STD2 240-270327/4 I	10:42	95		104		99		94		96	
STD3 240-270327/5 I	10:46	96		104		101		95		98	
STD4 240-270327/6 I	10:50	89		98		94		98		98	
ICV 240-270327/7	10:54	98		104		102		98		98	
ICB 240-270327/8	10:59	102		105		106		107		106	
ICVL 240-270327/9	11:03	104		109		107		108		107	
ICSA 240-270327/10	11:07	88		98		92		89		92	
ICSAB 240-270327/11	11:11	85		94		92		87		90	
CCV 240-270327/116	18:37	96		105		106		96		98	
CCB 240-270327/117	18:41	98		105		106		106		104	
ICSA 240-270327/119	18:50	87		99		95		88		92	
ICSAB 240-270327/12	18:54	83		96		93		87		91	
MB 240-270163/1-A	19:07	89		102		106		105		101	
LCS 240-270163/2-A	19:11	88		104		108		101		98	
240-76547-17	19:15	88		101		94		82		87	
240-76547-17 SD	19:19	78		82		80		71		77	
240-76547-17 MS	19:27	66		73		69		59		65	
240-76547-17 MSD	19:31	70		68		73		54		60	
CCV 240-270327/130	19:35	87		97		90		87		89	
CCB 240-270327/131	19:40	94		95		96		94		94	
240-76547-16	19:44	84		82		91		64		71	
240-76547-18	19:48	83		87		89		68		76	
240-76547-19	19:52	81		91		89		71		80	
240-76547-20	19:57	75		83		79		65		73	
240-76547-21	20:01	74		77		77		60		67	
240-76547-22	20:05	63		76		65		59		66	
240-76547-23	20:09	73		68		76		53		59	
240-76547-24	20:13	70		77		71		60		67	
240-76547-25	20:18	76		78		78		60		67	
240-76547-26	20:22	82		77		87		59		66	
CCV 240-270327/142	20:26	85		91		85		78		83	
CCB 240-270327/143	20:30	91		94		90		90		91	
240-76547-27	20:35	72		76		76		59		67	
240-76547-28	20:39	79		79		83		61		69	
240-76547-29	20:43	77		87		80		68		75	
240-76547-30	20:47	66		68		68		53		59	
240-76547-31	20:51	70		69		74		54		61	
240-76547-32	20:56	69		69		72		55		61	
240-76547-33	21:00	66		68		70		53		60	
240-76547-34	21:04	68		72		71		57		63	
240-76547-35	21:08	73		77		77		60		68	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10 Start Date: 03/13/2017 End Date: 03/13/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Rh	Q	Element In	Q
CCV 240-270327/154	21:17	84		86		86		74		79	
CCB 240-270327/155	21:21	84		100		82		97		98	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10

Start Date: 03/13/2017 End Date: 03/13/2017

Lab Sample ID	Time	Internal Standards %RI For:							
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q
STD1 240-270327/3 I	10:37	98		99		97			
STD2 240-270327/4 I	10:42	98		98		96			
STD3 240-270327/5 I	10:46	99		100		96			
STD4 240-270327/6 I	10:50	96		96		98			
ICV 240-270327/7	10:54	98		99		97			
ICB 240-270327/8	10:59	102		104		103			
ICVL 240-270327/9	11:03	105		106		105			
ICSA 240-270327/10	11:07	93		94		94			
ICSAB 240-270327/11	11:11	91		93		91			
CCV 240-270327/116	18:37	99		99		94			
CCB 240-270327/117	18:41	101		102		99			
ICSA 240-270327/119	18:50	92		94		91			
ICSAB 240-270327/12	18:54	90		93		89			
MB 240-270163/1-A	19:07	102		103		103			
LCS 240-270163/2-A	19:11	102		103		99			
240-76547-17	19:15	90		92		74			
240-76547-17 SD	19:19	77		77		70			
240-76547-17 MS	19:27	68		71		59			
240-76547-17 MSD	19:31	64		65		52			
CCV 240-270327/130	19:35	89		91		84			
CCB 240-270327/131	19:40	91		93		90			
240-76547-16	19:44	75		76		63			
240-76547-18	19:48	78		79		65			
240-76547-19	19:52	82		82		68			
240-76547-20	19:57	73		75		60			
240-76547-21	20:01	69		70		56			
240-76547-22	20:05	68		69		55			
240-76547-23	20:09	61		62		49			
240-76547-24	20:13	68		69		55			
240-76547-25	20:18	70		70		55			
240-76547-26	20:22	68		69		55			
CCV 240-270327/142	20:26	81		82		77			
CCB 240-270327/143	20:30	86		88		86			
240-76547-27	20:35	70		70		59			
240-76547-28	20:39	70		71		58			
240-76547-29	20:43	77		78		63			
240-76547-30	20:47	61		62		49			
240-76547-31	20:51	62		62		50			
240-76547-32	20:56	62		64		51			
240-76547-33	21:00	62		62		50			
240-76547-34	21:04	64		66		52			
240-76547-35	21:08	69		70		58			

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10 Start Date: 03/13/2017 End Date: 03/13/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
CCV 240-270327/154	21:17	78		79		74					
CCB 240-270327/155	21:21	93		95		93					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10

Start Date: 03/15/2017 End Date: 03/15/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Rh	Q	Element In	Q
STD1 240-270801/3 I	10:03	97		100		97		96		98	
STD2 240-270801/4 I	10:08	97		101		99		92		95	
STD3 240-270801/5 I	10:12	93		100		98		92		95	
STD4 240-270801/6 I	10:16	95		102		97		99		101	
ICV 240-270801/7	10:20	99		101		101		94		98	
ICB 240-270801/8	10:24	105		105		107		105		106	
ICVL 240-270801/9	10:29	104		106		105		105		106	
ICSA 240-270801/10	10:33	78		87		81		79		84	
ICSAB 240-270801/11	10:37	74		81		79		76		80	
CCV 240-270801/19	11:11	92		97		97		91		93	
CCB 240-270801/20	11:15	99		100		101		101		101	
LCS 240-270500/2-A	11:36	65		71		69		70		71	
MB 240-270500/1-A	11:49	69		75		73		76		76	
CCV 240-270801/31	12:02	88		92		92		88		91	
CCB 240-270801/32	12:06	93		94		96		97		97	
CCV 240-270801/52	13:31	91		98		99		94		97	
CCB 240-270801/53	13:35	100		102		104		107		106	
240-76575-A-4-D SD	13:48	87		95		94		97		98	
240-76575-A-4-E MS	13:56	73		81		82		82		83	
240-76575-A-4-F MSD	14:00	71		82		82		82		83	
CCV 240-270801/64	14:21	85		94		95		91		94	
CCB 240-270801/65	14:26	94		98		100		101		103	
CCV 240-270801/67	14:34	91		98		99		94		96	
CCB 240-270801/68	14:38	100		103		106		107		112	
240-76547-36	15:00	78		82		86		72		77	
CCV 240-270801/79	15:25	95		102		102		98		100	
CCB 240-270801/80	15:29	97		102		105		105		104	
CCV 240-270801/133	19:13	101		106		104		96		98	
CCB 240-270801/134	19:17	92		96		95		95		95	
MB 240-270164/1-A	19:21	68		82		76		81		81	
LCS 240-270164/3-A	19:26	58		67		67		66		66	
240-76547-1	19:30	57		65		70		57		61	
240-76547-1 SD	19:34	66		80		76		74		77	
240-76547-1 MS	19:42	46		58		53		50		53	
240-76547-1 MSD	19:47	51		60		63		52		56	
240-76547-2	19:51	53		62		63		54		58	
240-76547-3	19:55	48		58		57		52		55	
240-76547-4	19:59	59		59		72		51		54	
CCV 240-270801/145	20:04	58		70		65		65		66	
CCB 240-270801/146	20:08	61		65		67		66		66	
240-76547-5	20:12	54		53		65		46		49	
240-76547-6	20:16	65		69		79		60		64	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10

Start Date: 03/15/2017 End Date: 03/15/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Rh	Q	Element In	Q
240-76547-7	20:20	60		70		72		62		65	
240-76547-8	20:25	56		69		67		60		64	
240-76547-9	20:29	63		65		75		56		59	
240-76547-10	20:33	54		65		63		57		60	
240-76547-11	20:37	56		60		66		53		56	
240-76547-12	20:42	55		61		65		53		56	
240-76547-13	20:46	58		62		69		54		57	
240-76547-14	20:50	56		66		67		58		61	
CCV 240-270801/157	20:54	65		84		73		78		80	
CCB 240-270801/158	20:59	64		66		70		67		67	
240-76547-15	21:03	53		59		65		53		56	
CCV 240-270801/160	21:07	66		67		72		63		64	
CCB 240-270801/161	21:11	71		80		81		83		82	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10

Start Date: 03/15/2017 End Date: 03/15/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 240-270801/3 I	10:03	98		99		97					
STD2 240-270801/4 I	10:08	99		100		94					
STD3 240-270801/5 I	10:12	100		100		95					
STD4 240-270801/6 I	10:16	101		100		99					
ICV 240-270801/7	10:20	99		100		99					
ICB 240-270801/8	10:24	105		106		106					
ICVL 240-270801/9	10:29	105		105		106					
ICSA 240-270801/10	10:33	88		88		90					
ICSAB 240-270801/11	10:37	84		83		86					
CCV 240-270801/19	11:11	97		98		94					
CCB 240-270801/20	11:15	102		104		103					
LCS 240-270500/2-A	11:36	80		80		82					
MB 240-270500/1-A	11:49	82		82		90					
CCV 240-270801/31	12:02	96		99		93					
CCB 240-270801/32	12:06	100		101		100					
CCV 240-270801/52	13:31	104		104		98					
CCB 240-270801/53	13:35	109		109		110					
240-76575-A-4-D SD	13:48	102		102		108					
240-76575-A-4-E MS	13:56	92		93		93					
240-76575-A-4-F MSD	14:00	91		92		91					
CCV 240-270801/64	14:21	101		102		95					
CCB 240-270801/65	14:26	106		106		107					
CCV 240-270801/67	14:34	102		102		98					
CCB 240-270801/68	14:38	110		111		110					
240-76547-36	15:00	87		87		75					
CCV 240-270801/79	15:25	105		107		100					
CCB 240-270801/80	15:29	107		108		108					
CCV 240-270801/133	19:13	102		102		95					
CCB 240-270801/134	19:17	97		98		97					
MB 240-270164/1-A	19:21	87		88		93					
LCS 240-270164/3-A	19:26	72		74		72					
240-76547-1	19:30	66		68		59					
240-76547-1 SD	19:34	81		82		74					
240-76547-1 MS	19:42	60		61		52					
240-76547-1 MSD	19:47	63		63		54					
240-76547-2	19:51	62		62		54					
240-76547-3	19:55	58		58		50					
240-76547-4	19:59	58		58		50					
CCV 240-270801/145	20:04	67		68		66					
CCB 240-270801/146	20:08	65		65		67					
240-76547-5	20:12	52		52		47					
240-76547-6	20:16	67		68		59					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

ICP-MS Instrument ID: I10

Start Date: 03/15/2017 End Date: 03/15/2017

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
240-76547-7	20:20	68		68		59					
240-76547-8	20:25	67		68		59					
240-76547-9	20:29	63		64		56					
240-76547-10	20:33	64		64		56					
240-76547-11	20:37	59		60		52					
240-76547-12	20:42	61		61		53					
240-76547-13	20:46	61		61		53					
240-76547-14	20:50	65		65		56					
CCV 240-270801/157	20:54	82		83		79					
CCB 240-270801/158	20:59	67		67		68					
240-76547-15	21:03	60		61		55					
CCV 240-270801/160	21:07	65		66		64					
CCB 240-270801/161	21:11	82		83		84					

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Canton

Job Number: 240-76547-1

SDG Number: _____

Matrix: Water

Instrument ID: I10

Method: 6020

MDL Date: 12/13/2016 11:36

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Antimony	121.00	2	0.27
Arsenic	75.00	5	0.35
Barium	137.00	5	0.52
Beryllium	9.00	1	0.4
Cadmium	111.00	1	0.31
Chromium	52.00	2	0.26
Cobalt	59.00	1	0.13
Copper	65.00	2	0.36
Lead	208.00	1	0.16
Molybdenum	95.00	10	0.51
Nickel	60.00	2	0.28
Selenium	78.00	5	0.48
Silver	107.00	1	0.03
Thallium	205.00	1	0.28
Tungsten	182.00	10	0.89
Vanadium	51.00	5	0.54
Zinc	66.00	20	6.22

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Canton

Job Number: 240-76547-1

SDG Number: _____

Matrix: Water

Instrument ID: I10

Method: 6020

XMDL Date: 09/15/2014 17:03

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	121.00	2	0.16
Arsenic	75.00	5	0.49
Barium	137.00	5	1.1
Beryllium	9.00	1	0.053
Cadmium	111.00	1	0.061
Chromium	52.00	2	0.6
Cobalt	59.00	1	0.021
Copper	65.00	2	0.75
Lead	208.00	1	0.11
Molybdenum	95.00	10	0.23
Nickel	60.00	2	0.23
Selenium	78.00	5	0.25
Silver	107.00	1	0.02
Thallium	205.00	1	0.074
Tungsten	182.00	10	0.5
Vanadium	51.00	5	0.23
Zinc	66.00	20	7.3

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Canton Job Number: 240-76547-1
SDG Number: _____
Matrix: Water Instrument ID: H3
Method: 7470A MDL Date: 02/22/2017 15:12
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury	253.7	0.2	0.13

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Canton Job Number: 240-76547-1
SDG Number: _____
Matrix: Water Instrument ID: H3
Method: 7470A XMDL Date: 02/22/2017 15:12

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.13

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Canton

Job Number: 240-76547-1

SDG Number: _____

Matrix: Water

Instrument ID: NOEQUIP

Method: SM 2340B

RL Date: 04/14/2011 14:06

Analyte	Wavelength/ Mass	RL (mg/L)	
Calcium hardness as calcium carbonate		12	
Hardness as calcium carbonate		33	
Magnesium hardness as calcium carbonate		21	

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Canton

Job Number: 240-76547-1

SDG Number: _____

Matrix: Water

Instrument ID: NOEQUIP

Method: SM 2340B

XMDL Date: 04/14/2011 14:07

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Calcium hardness as calcium carbonate		12000	325
Hardness as calcium carbonate		33000	465
Magnesium hardness as calcium carbonate		21000	140

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton

Job No: 240-76547-1

SDG No.: _____

Instrument ID: I10

Date: 10/14/2016 11:32

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Antimony		200	6020
Arsenic		10000	6020
Barium		10000	6020
Beryllium		2000	6020
Cadmium		4000	6020
Chromium		10000	6020
Cobalt		5000	6020
Copper		10000	6020
Lead		4000	6020
Molybdenum		2000	6020
Nickel		10000	6020
Selenium		10000	6020
Silver		300	6020
Thallium		2000	6020
Vanadium		10000	6020
Zinc		10000	6020
Tungsten		2500	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-270163/1-A	03/11/2017 14:00	270163		50	50
LCS 240-270163/2-A	03/11/2017 14:00	270163		50	50
240-76547-17	03/11/2017 14:00	270163		50	50
240-76547-17 MS	03/11/2017 14:00	270163		50	50
240-76547-17 MSD	03/11/2017 14:00	270163		50	50
240-76547-18	03/11/2017 14:00	270163		50	50
240-76547-19	03/11/2017 14:00	270163		50	50
240-76547-20	03/11/2017 14:00	270163		50	50
240-76547-21	03/11/2017 14:00	270163		50	50
240-76547-22	03/11/2017 14:00	270163		50	50
240-76547-23	03/11/2017 14:00	270163		50	50
240-76547-24	03/11/2017 14:00	270163		50	50
240-76547-25	03/11/2017 14:00	270163		50	50
240-76547-26	03/11/2017 14:00	270163		50	50
240-76547-27	03/11/2017 14:00	270163		50	50
240-76547-28	03/11/2017 14:00	270163		50	50
240-76547-29	03/11/2017 14:00	270163		50	50
240-76547-30	03/11/2017 14:00	270163		50	50
240-76547-31	03/11/2017 14:00	270163		50	50
240-76547-32	03/11/2017 14:00	270163		50	50
240-76547-33	03/11/2017 14:00	270163		50	50
240-76547-34	03/11/2017 14:00	270163		50	50
240-76547-35	03/11/2017 14:00	270163		50	50
240-76547-16	03/11/2017 14:00	270163		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-270164/1-A	03/11/2017 14:00	270164		50	50
LCS 240-270164/3-A	03/11/2017 14:00	270164		50	50
240-76547-1	03/11/2017 14:00	270164		50	50
240-76547-1 MS	03/11/2017 14:00	270164		50	50
240-76547-1 MSD	03/11/2017 14:00	270164		50	50
240-76547-2	03/11/2017 14:00	270164		50	50
240-76547-3	03/11/2017 14:00	270164		50	50
240-76547-4	03/11/2017 14:00	270164		50	50
240-76547-5	03/11/2017 14:00	270164		50	50
240-76547-6	03/11/2017 14:00	270164		50	50
240-76547-7	03/11/2017 14:00	270164		50	50
240-76547-8	03/11/2017 14:00	270164		50	50
240-76547-9	03/11/2017 14:00	270164		50	50
240-76547-10	03/11/2017 14:00	270164		50	50
240-76547-11	03/11/2017 14:00	270164		50	50
240-76547-12	03/11/2017 14:00	270164		50	50
240-76547-13	03/11/2017 14:00	270164		50	50
240-76547-14	03/11/2017 14:00	270164		50	50
240-76547-15	03/11/2017 14:00	270164		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-270500/1-A	03/14/2017 14:00	270500		50	50
LCS 240-270500/2-A	03/14/2017 14:00	270500		50	50
240-76575-A-4-E MS	03/14/2017 14:00	270500		50	50
240-76575-A-4-F MSD	03/14/2017 14:00	270500		50	50
240-76547-36	03/14/2017 14:00	270500		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-270425/1-A	03/14/2017 12:00	270425		50	50
LCS 240-270425/2-A	03/14/2017 12:00	270425		50	50
240-76547-1	03/14/2017 12:00	270425		50	50
240-76547-1 MS	03/14/2017 12:00	270425		50	50
240-76547-1 MSD	03/14/2017 12:00	270425		50	50
240-76547-2	03/14/2017 12:00	270425		50	50
240-76547-3	03/14/2017 12:00	270425		50	50
240-76547-4	03/14/2017 12:00	270425		50	50
240-76547-5	03/14/2017 12:00	270425		50	50
240-76547-6	03/14/2017 12:00	270425		50	50
240-76547-7	03/14/2017 12:00	270425		50	50
240-76547-8	03/14/2017 12:00	270425		50	50
240-76547-9	03/14/2017 12:00	270425		50	50
240-76547-10	03/14/2017 12:00	270425		50	50
240-76547-11	03/14/2017 12:00	270425		50	50
240-76547-12	03/14/2017 12:00	270425		50	50
240-76547-13	03/14/2017 12:00	270425		50	50
240-76547-14	03/14/2017 12:00	270425		50	50
240-76547-15	03/14/2017 12:00	270425		50	50
240-76547-16	03/14/2017 12:00	270425		50	50
240-76547-17	03/14/2017 12:00	270425		50	50
240-76547-18	03/14/2017 12:00	270425		50	50
240-76547-19	03/14/2017 12:00	270425		50	50
240-76547-20	03/14/2017 12:00	270425		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-270434/1-A	03/14/2017 12:00	270434		50	50
LCS 240-270434/2-A	03/14/2017 12:00	270434		50	50
240-76547-21	03/14/2017 12:00	270434		50	50
240-76547-21 MS	03/14/2017 12:00	270434		50	50
240-76547-21 MSD	03/14/2017 12:00	270434		50	50
240-76547-22	03/14/2017 12:00	270434		50	50
240-76547-23	03/14/2017 12:00	270434		50	50
240-76547-24	03/14/2017 12:00	270434		50	50
240-76547-25	03/14/2017 12:00	270434		50	50
240-76547-26	03/14/2017 12:00	270434		50	50
240-76547-27	03/14/2017 12:00	270434		50	50
240-76547-28	03/14/2017 12:00	270434		50	50
240-76547-29	03/14/2017 12:00	270434		50	50
240-76547-30	03/14/2017 12:00	270434		50	50
240-76547-31	03/14/2017 12:00	270434		50	50
240-76547-32	03/14/2017 12:00	270434		50	50
240-76547-33	03/14/2017 12:00	270434		50	50
240-76547-34	03/14/2017 12:00	270434		50	50
240-76547-35	03/14/2017 12:00	270434		50	50
240-76547-36	03/14/2017 12:00	270434		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/13/2017 10:29 End Date: 03/14/2017 00:23

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n	
ZZZZZZZ			10:29																				
ICIS 240-270327/2			10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD1 240-270327/3 IC	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD2 240-270327/4 IC	1		10:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD3 240-270327/5 IC	1		10:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD4 240-270327/6 IC	1		10:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICV 240-270327/7	1		10:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICB 240-270327/8	1		10:59	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ICVL 240-270327/9	1		11:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSA 240-270327/10	1		11:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSAB 240-270327/11	1		11:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 240-270327/12			11:15																				
CCB 240-270327/13			11:20																				
ZZZZZZZ			11:29																				
ZZZZZZZ			11:33																				
ZZZZZZZ			11:37																				
CCV 240-270327/17			11:42																				
CCB 240-270327/18			11:46																				
ZZZZZZZ			11:51																				
ZZZZZZZ			11:55																				
ZZZZZZZ			12:00																				
ZZZZZZZ			12:04																				
CCV 240-270327/23			12:08																				
CCB 240-270327/24			12:12																				
ZZZZZZZ			12:16																				
ZZZZZZZ			12:21																				
ZZZZZZZ			12:25																				
ZZZZZZZ			12:29																				
ZZZZZZZ			12:33																				
ZZZZZZZ			12:37																				
ZZZZZZZ			12:41																				
ZZZZZZZ			12:45																				
ZZZZZZZ			12:50																				
ZZZZZZZ			12:54																				
CCV 240-270327/35			12:58																				
CCB 240-270327/36			13:02																				
ZZZZZZZ			13:06																				
ZZZZZZZ			13:11																				
ZZZZZZZ			13:15																				
ZZZZZZZ			13:19																				
ZZZZZZZ			13:23																				
ZZZZZZZ			13:28																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/13/2017 10:29 End Date: 03/14/2017 00:23

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W
CCV 240-270327/43			13:32																		
CCB 240-270327/44			13:36																		
CCVL 240-270327/45			13:40																		
ZZZZZZ			13:45																		
ZZZZZZ			13:49																		
ZZZZZZ			13:53																		
ZZZZZZ			13:57																		
ZZZZZZ			14:01																		
ZZZZZZ			14:05																		
ZZZZZZ			14:09																		
ZZZZZZ			14:13																		
ZZZZZZ			14:18																		
CCV 240-270327/55			14:22																		
CCB 240-270327/56			14:26																		
ZZZZZZ			14:30																		
ZZZZZZ			14:34																		
ZZZZZZ			14:39																		
ZZZZZZ			14:43																		
ZZZZZZ			14:47																		
ZZZZZZ			14:51																		
ZZZZZZ			14:56																		
CCV 240-270327/64			15:00																		
CCB 240-270327/65			15:04																		
CCVL 240-270327/66			15:08																		
ZZZZZZ			15:12																		
ZZZZZZ			15:17																		
ZZZZZZ			15:21																		
ZZZZZZ			15:25																		
ZZZZZZ			15:29																		
ZZZZZZ			15:33																		
ZZZZZZ			15:37																		
ZZZZZZ			15:41																		
ZZZZZZ			15:45																		
CCV 240-270327/76			15:50																		
CCB 240-270327/77			15:54																		
ZZZZZZ			15:58																		
ZZZZZZ			16:02																		
ZZZZZZ			16:07																		
ZZZZZZ			16:11																		
ZZZZZZ			16:15																		
ZZZZZZ			16:19																		
ZZZZZZ			16:23																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/13/2017 10:29 End Date: 03/14/2017 00:23

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n
CCV 240-270327/85			16:27																			
CCB 240-270327/86			16:32																			
CCVL 240-270327/87			16:36																			
ZZZZZZ			16:40																			
ZZZZZZ			16:44																			
ZZZZZZ			16:48																			
ZZZZZZ			16:53																			
ZZZZZZ			16:57																			
ZZZZZZ			17:01																			
ZZZZZZ			17:05																			
ZZZZZZ			17:09																			
ZZZZZZ			17:13																			
CCV 240-270327/97			17:17																			
CCB 240-270327/98			17:21																			
ZZZZZZ			17:26																			
ZZZZZZ			17:30																			
ZZZZZZ			17:34																			
ZZZZZZ			17:38																			
ZZZZZZ			17:42																			
ZZZZZZ			17:47																			
ZZZZZZ			17:51																			
ZZZZZZ			17:55																			
ZZZZZZ			17:59																			
ZZZZZZ			18:03																			
CCV 240-270327/109			18:08																			
CCB 240-270327/110			18:12																			
ZZZZZZ			18:16																			
ZZZZZZ			18:20																			
ZZZZZZ			18:24																			
ZZZZZZ			18:29																			
ZZZZZZ			18:33																			
CCV 240-270327/116	1		18:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 240-270327/117	1		18:41	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	
CCVL 240-270327/118			18:46																			
ICSA 240-270327/119	1		18:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 240-270327/120	1		18:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			18:58																			
ZZZZZZ			19:02																			
MB 240-270163/1-A	1	R	19:07	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	
LCS 240-270163/2-A	1	R	19:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-76547-17	1	D	19:15	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	
240-76547-17 SD	5	D	19:19	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/13/2017 10:29 End Date: 03/14/2017 00:23

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n	
ZZZZZZ			19:23																				
240-76547-17 MS	1	D	19:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
240-76547-17 MSD	1	D	19:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 240-270327/130	1		19:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270327/131	1		19:40	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-16	1	D	19:44	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-18	1	D	19:48	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-19	1	D	19:52	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-20	1	D	19:57	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-21	1	D	20:01	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-22	1	D	20:05	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-23	1	D	20:09	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-24	1	D	20:13	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-25	1	D	20:18	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-26	1	D	20:22	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCV 240-270327/142	1		20:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270327/143	1		20:30	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-27	1	D	20:35	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-28	1	D	20:39	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-29	1	D	20:43	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-30	1	D	20:47	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-31	1	D	20:51	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-32	1	D	20:56	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-33	1	D	21:00	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-34	1	D	21:04	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-35	1	D	21:08	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ			21:13																				
CCV 240-270327/154	1		21:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270327/155	1		21:21	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ			21:25																				
ZZZZZZ			21:29																				
ZZZZZZ			21:34																				
ZZZZZZ			21:38																				
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
ZZZZZZ			21:50																				
ZZZZZZ			21:54																				
ZZZZZZ			21:58																				
ZZZZZZ			22:03																				
CCV 240-270327/166			22:07																				
CCB 240-270327/167			22:11																				
ZZZZZZ			22:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/13/2017 10:29 End Date: 03/14/2017 00:23

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W
ZZZZZZ			22:19																		
ZZZZZZ			22:24																		
CCV 240-270327/171			22:28																		
CCB 240-270327/172			22:32																		
ZZZZZZ			22:36																		
ZZZZZZ			22:40																		
ZZZZZZ			22:45																		
ZZZZZZ			22:49																		
ZZZZZZ			22:53																		
ZZZZZZ			22:57																		
ZZZZZZ			23:02																		
CCV 240-270327/180			23:06																		
CCB 240-270327/181			23:10																		
ZZZZZZ			23:14																		
ZZZZZZ			23:19																		
CCV 240-270327/184			23:23																		
CCB 240-270327/185			23:27																		
CCVL 240-270327/186			23:32																		
ZZZZZZ			23:36																		
CCV 240-270327/188			23:40																		
CCB 240-270327/189			23:44																		
CCVL 240-270327/190			23:49																		
ZZZZZZ			23:53																		
ZZZZZZ			23:57																		
ZZZZZZ			00:01																		
CCV 240-270327/194			00:06																		
CCB 240-270327/195			00:10																		
CCVL 240-270327/196			00:14																		
CCV 240-270327/197			00:18																		
CCB 240-270327/198			00:23																		

Prep Types

D = Dissolved

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/15/2017 09:55 End Date: 03/15/2017 21:11

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n	
ZZZZZZ			09:55																				
ICIS 240-270801/2			09:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD1 240-270801/3 IC	1		10:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD2 240-270801/4 IC	1		10:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD3 240-270801/5 IC	1		10:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
STD4 240-270801/6 IC	1		10:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICV 240-270801/7	1		10:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICB 240-270801/8	1		10:24	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ICVL 240-270801/9	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSA 240-270801/10	1		10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSAB 240-270801/11	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV 240-270801/12			10:41																				
CCB 240-270801/13			10:46																				
ZZZZZZ			10:50																				
CCV 240-270801/15			10:54																				
CCB 240-270801/16			10:58																				
CCVL 240-270801/17			11:03																				
ZZZZZZ			11:07																				
CCV 240-270801/19	1		11:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/20	1		11:15	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCVL 240-270801/21			11:20																				
ZZZZZZ			11:24																				
ZZZZZZ			11:28																				
ZZZZZZ			11:32																				
LCS 240-270500/2-A	1	R	11:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			11:41																				
ZZZZZZ			11:45																				
MB 240-270500/1-A	1	R	11:49	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ			11:53																				
ZZZZZZ			11:57																				
CCV 240-270801/31	1		12:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/32	1		12:06	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ			12:10																				
ZZZZZZ			12:14																				
CCV 240-270801/35			12:18																				
CCB 240-270801/36			12:23																				
CCVL 240-270801/37			12:27																				
ZZZZZZ			12:31																				
ZZZZZZ			12:35																				
ZZZZZZ			12:40																				
CCV 240-270801/41			12:44																				
CCB 240-270801/42			12:48																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/15/2017 09:55 End Date: 03/15/2017 21:11

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n	
ZZZZZZZ			12:53																				
ZZZZZZZ			12:57																				
ZZZZZZZ			13:02																				
ZZZZZZZ			13:06																				
ZZZZZZZ			13:10																				
ZZZZZZZ			13:14																				
ZZZZZZZ			13:18																				
ZZZZZZZ			13:22																				
ZZZZZZZ			13:27																				
CCV 240-270801/52	1		13:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/53	1		13:35	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCVL 240-270801/54			13:39																				
ZZZZZZZ			13:44																				
240-76575-A-4-D SD ^5	5	R	13:48	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZZ			13:52																				
240-76575-A-4-E MS	1	R	13:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
240-76575-A-4-F MSD	1	R	14:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZZ			14:04																				
ZZZZZZZ			14:09																				
ZZZZZZZ			14:13																				
ZZZZZZZ			14:17																				
CCV 240-270801/64	1		14:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/65	1		14:26	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZZ			14:30																				
CCV 240-270801/67	1		14:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/68	1		14:38	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCVL 240-270801/69			14:43																				
ZZZZZZZ			14:47																				
ZZZZZZZ			14:51																				
ZZZZZZZ			14:55																				
240-76547-36	1	D	15:00	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZZ			15:04																				
ZZZZZZZ			15:08																				
ZZZZZZZ			15:12																				
ZZZZZZZ			15:16																				
ZZZZZZZ			15:21																				
CCV 240-270801/79	1		15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/80	1		15:29	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZZ			15:33																				
ZZZZZZZ			15:37																				
ZZZZZZZ			15:41																				
ZZZZZZZ			15:46																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/15/2017 09:55 End Date: 03/15/2017 21:11

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n
ZZZZZZZ			15:50																			
ZZZZZZZ			15:54																			
CCV 240-270801/87			15:58																			
CCB 240-270801/88			16:03																			
CCVL 240-270801/89			16:07																			
ZZZZZZZ			16:11																			
ZZZZZZZ			16:15																			
ZZZZZZZ			16:20																			
ZZZZZZZ			16:24																			
ZZZZZZZ			16:28																			
ZZZZZZZ			16:32																			
ZZZZZZZ			16:37																			
ZZZZZZZ			16:41																			
ZZZZZZZ			16:45																			
CCV 240-270801/99			16:49																			
CCB 240-270801/100			16:53																			
ZZZZZZZ			16:58																			
ZZZZZZZ			17:02																			
ZZZZZZZ			17:06																			
ZZZZZZZ			17:10																			
ZZZZZZZ			17:15																			
ZZZZZZZ			17:19																			
ZZZZZZZ			17:23																			
ZZZZZZZ			17:27																			
ZZZZZZZ			17:31																			
ZZZZZZZ			17:36																			
CCV 240-270801/111			17:40																			
CCB 240-270801/112			17:44																			
ZZZZZZZ			17:48																			
ZZZZZZZ			17:53																			
ZZZZZZZ			17:57																			
ZZZZZZZ			18:01																			
ZZZZZZZ			18:05																			
ZZZZZZZ			18:10																			
ZZZZZZZ			18:14																			
ZZZZZZZ			18:18																			
CCV 240-270801/121			18:22																			
CCB 240-270801/122			18:27																			
CCVL 240-270801/123			18:31																			
ZZZZZZZ			18:35																			
ZZZZZZZ			18:39																			
ZZZZZZZ			18:44																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: I10 Method: 6020

Start Date: 03/15/2017 09:55 End Date: 03/15/2017 21:11

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A s	B a	B e	C a	C d	C o	C r	C u	M g	M o	N i	P b	S b	S e	T l	V	W	Z n	
ZZZZZZ			18:48																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:05																				
ZZZZZZ			19:09																				
CCV 240-270801/133	1		19:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/134	1		19:17	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
MB 240-270164/1-A	1	R	19:21	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
LCS 240-270164/3-A	1	R	19:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
240-76547-1	1	D	19:30	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-1 SD	5	D	19:34	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ			19:38																				
240-76547-1 MS	1	D	19:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
240-76547-1 MSD	1	D	19:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
240-76547-2	1	D	19:51	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-3	1	D	19:55	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-4	1	D	19:59	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCV 240-270801/145	1		20:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/146	1		20:08	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-5	1	D	20:12	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-6	1	D	20:16	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-7	1	D	20:20	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-8	1	D	20:25	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-9	1	D	20:29	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-10	1	D	20:33	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-11	1	D	20:37	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-12	1	D	20:42	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-13	1	D	20:46	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-14	1	D	20:50	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCV 240-270801/157	1		20:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/158	1		20:59	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
240-76547-15	1	D	21:03	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		
CCV 240-270801/160	1		21:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB 240-270801/161	1		21:11	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X		

Prep Types

D = Dissolved

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 13:08 End Date: 03/14/2017 21:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 240-270579/1-A			13:08	X																	
IC 240-270579/2-A			13:10	X																	
IC 240-270579/3-A			13:12	X																	
IC 240-270579/4-A			13:14	X																	
IC 240-270579/5-A			13:16	X																	
IC 240-270579/6-A			13:18	X																	
ICV 240-270579/7-A	1		13:21	X																	
ICB 240-270579/8-A	1		13:23	X																	
CRA 240-270579/9-A			13:26																		
CCV 240-270579/10-A			13:28																		
CCB 240-270579/11-A			13:29																		
ZZZZZZ			13:32																		
ZZZZZZ			13:34																		
ZZZZZZ			13:36																		
ZZZZZZ			13:38																		
ZZZZZZ			13:40																		
ZZZZZZ			13:42																		
ZZZZZZ			13:44																		
ZZZZZZ			13:46																		
ZZZZZZ			13:48																		
ZZZZZZ			13:50																		
CCV 240-270579/10-A			13:52																		
CCB 240-270579/11-A			13:54																		
ZZZZZZ			13:56																		
ZZZZZZ			13:58																		
ZZZZZZ			14:00																		
ZZZZZZ			14:02																		
ZZZZZZ			14:04																		
ZZZZZZ			14:06																		
CRA 240-270579/9-A	1		14:08	X																	
ZZZZZZ			14:10																		
ZZZZZZ			14:12																		
ZZZZZZ			14:13																		
ZZZZZZ			14:15																		
CCV 240-270579/10-A			14:17																		
CCB 240-270579/11-A			14:19																		
ZZZZZZ			14:22																		
ZZZZZZ			14:24																		
ZZZZZZ			14:25																		
ZZZZZZ			14:27																		
ZZZZZZ			14:29																		
ZZZZZZ			14:31																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 13:08 End Date: 03/14/2017 21:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			14:34																		
ZZZZZZ			14:36																		
ZZZZZZ			14:38																		
ZZZZZZ			14:40																		
CCV 240-270579/10-A			14:42																		
CCB 240-270579/11-A			14:44																		
ZZZZZZ			14:46																		
ZZZZZZ			14:48																		
ZZZZZZ			14:50																		
ZZZZZZ			14:52																		
ZZZZZZ			14:54																		
ZZZZZZ			14:56																		
ZZZZZZ			14:58																		
ZZZZZZ			15:00																		
ZZZZZZ			15:02																		
ZZZZZZ			15:04																		
CCV 240-270579/10-A			15:06																		
CCB 240-270579/11-A			15:08																		
ZZZZZZ			15:10																		
ZZZZZZ			15:12																		
ZZZZZZ			15:14																		
ZZZZZZ			15:16																		
ZZZZZZ			15:18																		
ZZZZZZ			15:20																		
ZZZZZZ			15:22																		
ZZZZZZ			15:24																		
ZZZZZZ			15:26																		
ZZZZZZ			15:28																		
CCV 240-270579/10-A			15:30																		
CCB 240-270579/11-A			15:32																		
ZZZZZZ			15:34																		
ZZZZZZ			15:36																		
ZZZZZZ			15:38																		
ZZZZZZ			15:40																		
ZZZZZZ			15:42																		
CCV 240-270579/10-A			15:59																		
CCB 240-270579/11-A			16:01																		
ZZZZZZ			16:03																		
ZZZZZZ			16:05																		
ZZZZZZ			16:07																		
ZZZZZZ			16:09																		
ZZZZZZ			16:11																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 13:08 End Date: 03/14/2017 21:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			16:13																		
CCV 240-270579/10-A			16:18																		
CCB 240-270579/11-A			16:20																		
ZZZZZZ			16:23																		
ZZZZZZ			16:24																		
ZZZZZZ			16:27																		
ZZZZZZ			16:29																		
ZZZZZZ			16:31																		
ZZZZZZ			16:33																		
ZZZZZZ			16:35																		
ZZZZZZ			16:37																		
ZZZZZZ			16:39																		
ZZZZZZ			16:41																		
CCV 240-270579/10-A			16:43																		
CCB 240-270579/11-A			16:45																		
ZZZZZZ			16:47																		
ZZZZZZ			16:49																		
ZZZZZZ			16:51																		
ZZZZZZ			16:53																		
ZZZZZZ			16:55																		
ZZZZZZ			16:57																		
ZZZZZZ			16:59																		
ZZZZZZ			17:00																		
ZZZZZZ			17:02																		
ZZZZZZ			17:04																		
CCV 240-270579/10-A			17:06																		
CCB 240-270579/11-A			17:08																		
ZZZZZZ			17:11																		
ZZZZZZ			17:13																		
ZZZZZZ			17:14																		
ZZZZZZ			17:16																		
ZZZZZZ			17:18																		
ZZZZZZ			17:21																		
ZZZZZZ			17:23																		
ZZZZZZ			17:25																		
ZZZZZZ			17:27																		
ZZZZZZ			17:29																		
CCV 240-270579/10-A			17:31																		
CCB 240-270579/11-A			17:32																		
ZZZZZZ			17:35																		
ZZZZZZ			17:37																		
ZZZZZZ			17:39																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 13:08 End Date: 03/14/2017 21:09

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			17:41																
ZZZZZZ			17:43																
ZZZZZZ			17:44																
ZZZZZZ			17:46																
ZZZZZZ			17:48																
ZZZZZZ			17:50																
ZZZZZZ			17:52																
CCV 240-270579/10-A			17:54																
CCB 240-270579/11-A			17:56																
ZZZZZZ			17:58																
ZZZZZZ			18:00																
ZZZZZZ			18:02																
ZZZZZZ			18:04																
ZZZZZZ			18:06																
ZZZZZZ			18:08																
ZZZZZZ			18:10																
ZZZZZZ			18:12																
ZZZZZZ			18:14																
ZZZZZZ			18:16																
CCV 240-270579/10-A			18:18																
CCB 240-270579/11-A			18:21																
ZZZZZZ			18:23																
ZZZZZZ			18:25																
ZZZZZZ			18:27																
ZZZZZZ			18:29																
ZZZZZZ			18:31																
ZZZZZZ			18:33																
ZZZZZZ			18:35																
ZZZZZZ			18:36																
ZZZZZZ			18:38																
ZZZZZZ			18:40																
CCV 240-270579/10-A	1		18:42	X															
CCB 240-270579/11-A	1		18:44	X															
ZZZZZZ			18:47																
ZZZZZZ			18:48																
ZZZZZZ			18:50																
ZZZZZZ			18:52																
ZZZZZZ			18:54																
ZZZZZZ			18:56																
ZZZZZZ			18:58																
ZZZZZZ			19:00																
ZZZZZZ			19:02																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 13:08 End Date: 03/14/2017 21:09

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
MB 240-270434/1-A	1	T	19:04	X															
CCV 240-270579/10-A	1		19:06	X															
CCB 240-270579/11-A	1		19:08	X															
LCS 240-270434/2-A	1	T	19:10	X															
240-76547-21	1	D	19:12	X															
240-76547-21 MS	1	D	19:15	X															
240-76547-21 MSD	1	D	19:17	X															
240-76547-22	1	D	19:19	X															
240-76547-23	1	D	19:21	X															
240-76547-24	1	D	19:23	X															
240-76547-25	1	D	19:25	X															
240-76547-26	1	D	19:26	X															
240-76547-27	1	D	19:28	X															
CCV 240-270579/10-A	1		19:30	X															
CCB 240-270579/11-A	1		19:32	X															
240-76547-28	1	D	19:35	X															
240-76547-29	1	D	19:37	X															
240-76547-30	1	D	19:39	X															
240-76547-31	1	D	19:40	X															
240-76547-32	1	D	19:42	X															
240-76547-33	1	D	19:44	X															
240-76547-34	1	D	19:46	X															
240-76547-35	1	D	19:48	X															
240-76547-36	1	D	19:50	X															
ZZZZZZ			19:52																
CCV 240-270579/10-A	1		19:54	X															
CCB 240-270579/11-A	1		19:56	X															
ZZZZZZ			19:58																
ZZZZZZ			20:00																
ZZZZZZ			20:02																
ZZZZZZ			20:04																
ZZZZZZ			20:06																
ZZZZZZ			20:08																
ZZZZZZ			20:11																
ZZZZZZ			20:13																
ZZZZZZ			20:15																
ZZZZZZ			20:17																
CCV 240-270579/10-A			20:19																
CCB 240-270579/11-A			20:21																
ZZZZZZ			20:23																
ZZZZZZ			20:25																
ZZZZZZ			20:27																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 13:08 End Date: 03/14/2017 21:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			20:29																		
ZZZZZZ			20:31																		
ZZZZZZ			20:33																		
ZZZZZZ			20:35																		
ZZZZZZ			20:37																		
ZZZZZZ			20:39																		
ZZZZZZ			20:41																		
CCV 240-270579/10-A			20:43																		
CCB 240-270579/11-A			20:45																		
ZZZZZZ			20:47																		
ZZZZZZ			20:49																		
ZZZZZZ			20:51																		
ZZZZZZ			20:53																		
ZZZZZZ			20:55																		
ZZZZZZ			20:57																		
ZZZZZZ			20:59																		
ZZZZZZ			21:01																		
ZZZZZZ			21:03																		
ZZZZZZ			21:05																		
CCV 240-270579/10-A			21:07																		
CCB 240-270579/11-A			21:09																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 15:59 End Date: 03/15/2017 13:24

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCV 240-270733/135			15:59																		
CCB 240-270733/136			16:01																		
IC 240-270579/1-A			07:58	X																	
IC 240-270579/2-A			07:59	X																	
IC 240-270579/3-A			08:01	X																	
IC 240-270579/4-A			08:03	X																	
IC 240-270579/5-A			08:05	X																	
IC 240-270579/6-A			08:07	X																	
ICV 240-270579/7-A	1		08:14	X																	
ICB 240-270579/8-A	1		08:16	X																	
CRA 240-270579/9-A	1		08:18	X																	
CCV 240-270579/10-A			08:20																		
CCB 240-270579/11-A			08:22																		
ZZZZZZ			08:25																		
ZZZZZZ			08:27																		
ZZZZZZ			08:28																		
ZZZZZZ			08:31																		
ZZZZZZ			08:33																		
ZZZZZZ			08:35																		
ZZZZZZ			08:37																		
ZZZZZZ			08:39																		
ZZZZZZ			08:41																		
ZZZZZZ			08:43																		
CCV 240-270579/10-A	1		08:45	X																	
CCB 240-270579/11-A	1		08:47	X																	
ZZZZZZ			08:49																		
ZZZZZZ			08:51																		
ZZZZZZ			08:53																		
ZZZZZZ			08:55																		
ZZZZZZ			08:57																		
ZZZZZZ			08:59																		
ZZZZZZ			09:01																		
MB 240-270425/1-A	1	T	09:03	X																	
LCS 240-270425/2-A	1	T	09:05	X																	
240-76547-1	1	D	09:07	X																	
CCV 240-270579/10-A	1		09:09	X																	
CCB 240-270579/11-A	1		09:11	X																	
240-76547-1 MS	1	D	09:13	X																	
240-76547-1 MSD	1	D	09:15	X																	
240-76547-2	1	D	09:17	X																	
240-76547-3	1	D	09:19	X																	
240-76547-4	1	D	09:21	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 15:59 End Date: 03/15/2017 13:24

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
240-76547-5	1	D	09:23	X																	
240-76547-6	1	D	09:25	X																	
240-76547-7	1	D	09:27	X																	
240-76547-8	1	D	09:29	X																	
240-76547-9	1	D	09:31	X																	
CCV 240-270579/10-A	1		09:33	X																	
CCB 240-270579/11-A	1		09:35	X																	
240-76547-10	1	D	09:37	X																	
240-76547-11	1	D	09:39	X																	
CCV 240-270579/10-A	1		09:58	X																	
CCB 240-270579/11-A	1		10:00	X																	
ZZZZZZ			10:03																		
ZZZZZZ			10:05																		
240-76547-12	1	D	10:07	X																	
240-76547-13	1	D	10:08	X																	
240-76547-14	1	D	10:10	X																	
240-76547-15	1	D	10:12	X																	
240-76547-16	1	D	10:14	X																	
240-76547-17	1	D	10:16	X																	
240-76547-18	1	D	10:18	X																	
240-76547-19	1	D	10:20	X																	
CCV 240-270733/62	1		10:22	X																	
CCB 240-270733/63	1		10:24	X																	
240-76547-20	1	D	10:26	X																	
CRA 240-270579/9-A			10:28																		
ZZZZZZ			10:30																		
ZZZZZZ			10:32																		
ZZZZZZ			10:34																		
ZZZZZZ			10:36																		
ZZZZZZ			10:38																		
ZZZZZZ			10:40																		
ZZZZZZ			10:43																		
ZZZZZZ			10:44																		
ZZZZZZ			10:46																		
ZZZZZZ			10:48																		
CCV 240-270733/76	1		10:50	X																	
CCB 240-270733/77	1		10:52	X																	
ZZZZZZ			10:54																		
ZZZZZZ			10:56																		
ZZZZZZ			10:58																		
ZZZZZZ			11:00																		
ZZZZZZ			11:02																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 15:59 End Date: 03/15/2017 13:24

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			11:04																		
ZZZZZZ			11:06																		
ZZZZZZ			11:08																		
ZZZZZZ			11:09																		
ZZZZZZ			11:11																		
CCV 240-270579/10-A			11:13																		
CCB 240-270579/11-A			11:15																		
ZZZZZZ			11:18																		
ZZZZZZ			11:20																		
ZZZZZZ			11:22																		
ZZZZZZ			11:23																		
ZZZZZZ			11:25																		
ZZZZZZ			11:27																		
ZZZZZZ			11:29																		
ZZZZZZ			11:31																		
ZZZZZZ			11:33																		
ZZZZZZ			11:36																		
CCV 240-270579/10-A			11:37																		
CCB 240-270579/11-A			11:40																		
ZZZZZZ			11:42																		
ZZZZZZ			11:44																		
ZZZZZZ			11:46																		
ZZZZZZ			11:48																		
ZZZZZZ			11:50																		
ZZZZZZ			11:52																		
ZZZZZZ			11:54																		
ZZZZZZ			11:56																		
ZZZZZZ			11:58																		
ZZZZZZ			12:00																		
CCV 240-270579/10-A			12:01																		
CCB 240-270579/11-A			12:04																		
ZZZZZZ			12:07																		
ZZZZZZ			12:09																		
ZZZZZZ			12:11																		
ZZZZZZ			12:13																		
ZZZZZZ			12:15																		
ZZZZZZ			12:17																		
ZZZZZZ			12:20																		
ZZZZZZ			12:22																		
ZZZZZZ			12:23																		
ZZZZZZ			12:25																		
CCV 240-270579/10-A			12:27																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: H3 Method: 7470A

Start Date: 03/14/2017 15:59 End Date: 03/15/2017 13:24

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCB 240-270579/11-A			12:30																		
ZZZZZZ			12:32																		
ZZZZZZ			12:34																		
CCV 240-270579/10-A			13:12																		
CCB 240-270579/11-A			13:14																		
ZZZZZZ			13:16																		
ZZZZZZ			13:18																		
ZZZZZZ			13:20																		
ZZZZZZ			13:22																		
ZZZZZZ			13:24																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: NOEQUIP Method: SM 2340B

Start Date: 03/16/2017 13:48 End Date: 03/16/2017 13:52

Lab Sample ID	D / F	T y p e	Time	Analytes																
				C a c o 3	H a r d C C	M g H A R D														
ZZZZZZ			13:48																	
ZZZZZZ			13:48																	
ZZZZZZ			13:48																	
ZZZZZZ			13:48																	
ZZZZZZ			13:48																	
240-76547-1	1	D	13:48	X	X	X														
240-76547-2	1	D	13:48	X	X	X														
240-76547-3	1	D	13:48	X	X	X														
240-76547-4	1	D	13:48	X	X	X														
240-76547-5	1	D	13:48	X	X	X														
240-76547-6	1	D	13:48	X	X	X														
240-76547-7	1	D	13:48	X	X	X														
240-76547-8	1	D	13:48	X	X	X														
240-76547-9	1	D	13:48	X	X	X														
240-76547-10	1	D	13:48	X	X	X														
240-76547-11	1	D	13:48	X	X	X														
240-76547-12	1	D	13:48	X	X	X														
240-76547-13	1	D	13:48	X	X	X														
240-76547-14	1	D	13:48	X	X	X														
240-76547-15	1	D	13:48	X	X	X														
240-76547-16	1	D	13:50	X	X	X														
240-76547-17	1	D	13:50	X	X	X														
240-76547-18	1	D	13:50	X	X	X														
240-76547-19	1	D	13:50	X	X	X														
240-76547-20	1	D	13:50	X	X	X														
240-76547-21	1	D	13:50	X	X	X														
240-76547-22	1	D	13:50	X	X	X														
240-76547-23	1	D	13:50	X	X	X														
240-76547-24	1	D	13:50	X	X	X														
240-76547-25	1	D	13:50	X	X	X														
240-76547-26	1	D	13:50	X	X	X														
240-76547-27	1	D	13:50	X	X	X														
240-76547-28	1	D	13:50	X	X	X														
240-76547-29	1	D	13:50	X	X	X														
240-76547-30	1	D	13:50	X	X	X														
240-76547-31	1	D	13:50	X	X	X														
240-76547-32	1	D	13:50	X	X	X														
240-76547-33	1	D	13:50	X	X	X														
240-76547-34	1	D	13:50	X	X	X														
240-76547-35	1	D	13:50	X	X	X														
240-76547-36	1	D	13:52	X	X	X														
ZZZZZZ			13:52																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Instrument ID: NOEQUIP Method: SM 2340B

Start Date: 03/16/2017 13:48 End Date: 03/16/2017 13:52

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C a c o 3	H a r d c c	M g H A R D															
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
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ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		

Prep Types
D = Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Batch Number: 270163Batch Start Date: 03/11/17 14:00Batch Analyst: Colosi, Alexander JBatch Method: 3005ABatch End Date: 03/11/17 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTICPMS2 00028	MTICPMSA 00030	MTICPMSB 00030	MTTMHCL 00147
MB 240-270163/1		3005A, 6020		50 mL	50 mL				2.5 mL
LCS 240-270163/2		3005A, 6020		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-17	MSA-SW41A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-17 MS	MSA-SW41A-030917	3005A, 6020	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-17 MSD	MSA-SW41A-030917	3005A, 6020	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-18	MSA-SW41B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-19	MSA-SW41C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-20	MSA-SW41D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-21	MSA-SW42A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-22	MSA-SW42B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-23	MSA-SW42C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-24	MSA-SW42D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-25	MSA-SW43A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-26	MSA-SW43B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-27	MSA-SW43C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-28	MSA-SW43D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-29	MSA-SW44A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-30	MSA-SW44B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-31	MSA-SW44C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-32	MSA-SW44D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-33	MSA-SW45A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-34	MSA-SW45B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-35	MSA-SW45C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-16	MSA-SW40D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111				
MB 240-270163/1		3005A, 6020		1 mL				
LCS 240-270163/2		3005A, 6020		1 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270163 Batch Start Date: 03/11/17 14:00 Batch Analyst: Colosi, Alexander JBatch Method: 3005A Batch End Date: 03/11/17 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
240-76547-D-17	MSA-SW41A-030917	3005A, 6020	D	1 mL					
240-76547-D-17 MS	MSA-SW41A-030917	3005A, 6020	D	1 mL					
240-76547-D-17 MSD	MSA-SW41A-030917	3005A, 6020	D	1 mL					
240-76547-D-18	MSA-SW41B-030917	3005A, 6020	D	1 mL					
240-76547-D-19	MSA-SW41C-030917	3005A, 6020	D	1 mL					
240-76547-D-20	MSA-SW41D-030917	3005A, 6020	D	1 mL					
240-76547-D-21	MSA-SW42A-030917	3005A, 6020	D	1 mL					
240-76547-D-22	MSA-SW42B-030917	3005A, 6020	D	1 mL					
240-76547-D-23	MSA-SW42C-030917	3005A, 6020	D	1 mL					
240-76547-D-24	MSA-SW42D-030917	3005A, 6020	D	1 mL					
240-76547-D-25	MSA-SW43A-030917	3005A, 6020	D	1 mL					
240-76547-D-26	MSA-SW43B-030917	3005A, 6020	D	1 mL					
240-76547-D-27	MSA-SW43C-030917	3005A, 6020	D	1 mL					
240-76547-D-28	MSA-SW43D-030917	3005A, 6020	D	1 mL					
240-76547-D-29	MSA-SW44A-030917	3005A, 6020	D	1 mL					
240-76547-D-30	MSA-SW44B-030917	3005A, 6020	D	1 mL					
240-76547-D-31	MSA-SW44C-030917	3005A, 6020	D	1 mL					
240-76547-D-32	MSA-SW44D-030917	3005A, 6020	D	1 mL					
240-76547-D-33	MSA-SW45A-030917	3005A, 6020	D	1 mL					
240-76547-D-34	MSA-SW45B-030917	3005A, 6020	D	1 mL					
240-76547-D-35	MSA-SW45C-030917	3005A, 6020	D	1 mL					
240-76547-D-16	MSA-SW40D-030917	3005A, 6020	D	1 mL					

Batch Notes	
Filter Paper ID	9719597
Hot Block ID	HB0
Pipette ID	MP3
Digestion Tube/Cup ID	1605323

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270163 Batch Start Date: 03/11/17 14:00 Batch Analyst: Colosi, Alexander J

Batch Method: 3005A Batch End Date: 03/11/17 22:00

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270164 Batch Start Date: 03/11/17 14:00 Batch Analyst: Colosi, Alexander JBatch Method: 3005A Batch End Date: 03/11/17 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTICPMS2 00028	MTICPMSA 00030	MTICPMSB 00030	MTTMHCL 00147
MB 240-270164/1		3005A, 6020		50 mL	50 mL				2.5 mL
LCS 240-270164/3		3005A, 6020		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-1	MSA-SW37A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-1 MS	MSA-SW37A-030917	3005A, 6020	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-1 MSD	MSA-SW37A-030917	3005A, 6020	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-2	MSA-SW37B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-3	MSA-SW37C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-4	MSA-SW38D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-5	MSA-SW38A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-6	MSA-SW38B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-7	MSA-SW38C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-8	MSA-SW38D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-9	MSA-SW39A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-10	MSA-SW39B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-11	MSA-SW39C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-12	MSA-SW39D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-13	MSA-SW40A-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-14	MSA-SW40B-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL
240-76547-D-15	MSA-SW40C-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
MB 240-270164/1		3005A, 6020		1 mL					
LCS 240-270164/3		3005A, 6020		1 mL					
240-76547-D-1	MSA-SW37A-030917	3005A, 6020	D	1 mL					
240-76547-D-1 MS	MSA-SW37A-030917	3005A, 6020	D	1 mL					
240-76547-D-1 MSD	MSA-SW37A-030917	3005A, 6020	D	1 mL					
240-76547-D-2	MSA-SW37B-030917	3005A, 6020	D	1 mL					
240-76547-D-3	MSA-SW37C-030917	3005A, 6020	D	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270164 Batch Start Date: 03/11/17 14:00 Batch Analyst: Colosi, Alexander JBatch Method: 3005A Batch End Date: 03/11/17 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
240-76547-D-4	MSA-SW38D-030917	3005A, 6020	D	1 mL					
240-76547-D-5	MSA-SW38A-030917	3005A, 6020	D	1 mL					
240-76547-D-6	MSA-SW38B-030917	3005A, 6020	D	1 mL					
240-76547-D-7	MSA-SW38C-030917	3005A, 6020	D	1 mL					
240-76547-D-8	MSA-SW38D-030917	3005A, 6020	D	1 mL					
240-76547-D-9	MSA-SW39A-030917	3005A, 6020	D	1 mL					
240-76547-D-10	MSA-SW39B-030917	3005A, 6020	D	1 mL					
240-76547-D-11	MSA-SW39C-030917	3005A, 6020	D	1 mL					
240-76547-D-12	MSA-SW39D-030917	3005A, 6020	D	1 mL					
240-76547-D-13	MSA-SW40A-030917	3005A, 6020	D	1 mL					
240-76547-D-14	MSA-SW40B-030917	3005A, 6020	D	1 mL					
240-76547-D-15	MSA-SW40C-030917	3005A, 6020	D	1 mL					

Batch Notes	
Filter Paper ID	9719597
Hot Block ID	HB1
Pipette ID	MPI-MP3
Digestion Tube/Cup ID	1605323

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270500 Batch Start Date: 03/14/17 14:00 Batch Analyst: Colosi, Alexander JBatch Method: 3005A Batch End Date: 03/14/17 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTICPMS2 00028	MTICPMSA 00030	MTICPMSB 00030	MTTMHCL 00147
MB 240-270500/1		3005A, 6020		50 mL	50 mL				2.5 mL
LCS 240-270500/2		3005A, 6020		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76575-A-4 MS		3005A, 6020	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76575-A-4 MSD		3005A, 6020	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	2.5 mL
240-76547-D-36	MSA-SW45D-030917	3005A, 6020	D	50 mL	50 mL				2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
MB 240-270500/1		3005A, 6020		1 mL					
LCS 240-270500/2		3005A, 6020		1 mL					
240-76575-A-4 MS		3005A, 6020	R	1 mL					
240-76575-A-4 MSD		3005A, 6020	R	1 mL					
240-76547-D-36	MSA-SW45D-030917	3005A, 6020	D	1 mL					

Batch Notes	
Filter Paper ID	9719597
Hot Block ID	C4/HB4
Pipette ID	MP3
Digestion Tube/Cup ID	1605323

Basis	Basis Description
R	Total Recoverable
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Batch Number: 270425Batch Start Date: 03/14/17 12:00Batch Analyst: Colosi, Alexander JBatch Method: 7470ABatch End Date: 03/14/17 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	K2S2O8 00057	MTH2S04 00039	MTHGCAIW 01452	MTKMN04W 00126
MB 240-270425/1		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		7.5 mL
LCS 240-270425/2		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	2.5 mL	7.5 mL
240-76547-D-1	MSA-SW37A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-1 MS	MSA-SW37A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL	0.5 mL	7.5 mL
240-76547-D-1 MSD	MSA-SW37A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL	0.5 mL	7.5 mL
240-76547-D-2	MSA-SW37B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-3	MSA-SW37C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-4	MSA-SW38D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-5	MSA-SW38A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-6	MSA-SW38B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-7	MSA-SW38C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-8	MSA-SW38D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-9	MSA-SW39A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-10	MSA-SW39B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-11	MSA-SW39C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-12	MSA-SW39D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-13	MSA-SW40A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-14	MSA-SW40B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-15	MSA-SW40C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-16	MSA-SW40D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-17	MSA-SW41A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-18	MSA-SW41B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-19	MSA-SW41C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-20	MSA-SW41D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
MB 240-270425/1		7470A, 7470A		1.25 mL					
LCS 240-270425/2		7470A, 7470A		1.25 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 3

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270425 Batch Start Date: 03/14/17 12:00 Batch Analyst: Colosi, Alexander JBatch Method: 7470A Batch End Date: 03/14/17 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
240-76547-D-1	MSA-SW37A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-1 MS	MSA-SW37A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-1 MSD	MSA-SW37A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-2	MSA-SW37B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-3	MSA-SW37C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-4	MSA-SW38D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-5	MSA-SW38A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-6	MSA-SW38B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-7	MSA-SW38C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-8	MSA-SW38D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-9	MSA-SW39A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-10	MSA-SW39B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-11	MSA-SW39C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-12	MSA-SW39D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-13	MSA-SW40A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-14	MSA-SW40B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-15	MSA-SW40C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-16	MSA-SW40D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-17	MSA-SW41A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-18	MSA-SW41B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-19	MSA-SW41C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-20	MSA-SW41D-030917	7470A, 7470A	D	1.25 mL					

Batch Notes	
Batch Comment	take out temps within range
Hot Block ID	C1
Pipette ID	mp2-mp3
Digestion Tube/Cup ID	1610138

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 2 of 3

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270425 Batch Start Date: 03/14/17 12:00 Batch Analyst: Colosi, Alexander JBatch Method: 7470A Batch End Date: 03/14/17 14:00

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 3 of 3

METALS BATCH WORKSHEET

Lab Name: TestAmerica CantonJob No.: 240-76547-1

SDG No.: _____

Batch Number: 270434Batch Start Date: 03/14/17 12:00Batch Analyst: Colosi, Alexander JBatch Method: 7470ABatch End Date: 03/14/17 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	K2S2O8 00057	MTH2S04 00039	MTHGCLW 01452	MTKMNO4W 00126
MB 240-270434/1		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		7.5 mL
LCS 240-270434/2		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	2.5 mL	7.5 mL
240-76547-D-21	MSA-SW42A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-21 MS	MSA-SW42A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL	0.5 mL	7.5 mL
240-76547-D-21 MSD	MSA-SW42A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL	0.5 mL	7.5 mL
240-76547-D-22	MSA-SW42B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-23	MSA-SW42C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-24	MSA-SW42D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-25	MSA-SW43A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-26	MSA-SW43B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-27	MSA-SW43C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-28	MSA-SW43D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-29	MSA-SW44A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-30	MSA-SW44B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-31	MSA-SW44C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-32	MSA-SW44D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-33	MSA-SW45A-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-34	MSA-SW45B-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-35	MSA-SW45C-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-76547-D-36	MSA-SW45D-030917	7470A, 7470A	D	50 mL	50 mL	4 mL	2.5 mL		7.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
MB 240-270434/1		7470A, 7470A		1.25 mL					
LCS 240-270434/2		7470A, 7470A		1.25 mL					
240-76547-D-21	MSA-SW42A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-21 MS	MSA-SW42A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-21 MSD	MSA-SW42A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-22	MSA-SW42B-030917	7470A, 7470A	D	1.25 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270434 Batch Start Date: 03/14/17 12:00 Batch Analyst: Colosi, Alexander JBatch Method: 7470A Batch End Date: 03/14/17 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00111					
240-76547-D-23	MSA-SW42C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-24	MSA-SW42D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-25	MSA-SW43A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-26	MSA-SW43B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-27	MSA-SW43C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-28	MSA-SW43D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-29	MSA-SW44A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-30	MSA-SW44B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-31	MSA-SW44C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-32	MSA-SW44D-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-33	MSA-SW45A-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-34	MSA-SW45B-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-35	MSA-SW45C-030917	7470A, 7470A	D	1.25 mL					
240-76547-D-36	MSA-SW45D-030917	7470A, 7470A	D	1.25 mL					

Batch Notes	
Batch Comment	take out temps within range
Hot Block ID	C2
Pipette ID	mp2-mp3
Digestion Tube/Cup ID	1610138

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 2 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-76547-1

SDG No.: _____

Batch Number: 270579 Batch Start Date: 03/14/17 10:10 Batch Analyst: Dillon, William KBatch Method: 7470A Batch End Date: 03/14/17 12:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	K2S2O8 00057	MTH2S04 00039	MTHGCALW 01452	MTHgICV_00001 00146
ICV 240-270579/7		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		2.5 mL
ICB 240-270579/8		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		
CRA 240-270579/9		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	0.1 mL	
CCV 240-270579/10		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	2.5 mL	
CCB 240-270579/11		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMN04W 00126	MTTMHNO3 00112				
ICV 240-270579/7		7470A, 7470A		7.5 mL	1.25 mL				
ICB 240-270579/8		7470A, 7470A		7.5 mL	1.25 mL				
CRA 240-270579/9		7470A, 7470A		7.5 mL	1.25 mL				
CCV 240-270579/10		7470A, 7470A		7.5 mL	1.25 mL				
CCB 240-270579/11		7470A, 7470A		7.5 mL	1.25 mL				

Batch Notes	
Batch Comment	takeout temp in range
Hot Block ID	A1
Pipette ID	A6 MP1 MP2

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 1

Calibration Blank Report

Sample Table

Sample Name Blank
Data File Name 001CALB.d
Data Path Name D:\Analytical Runs\I10031317A.b
Acq Date Time 2017-03-13T10:29:29-04:00
Sample Type CalBlk
Level
Dilution 1
Comment 6020/200.8

QC Analyte Table

Name	Mass	ISTD Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	45	2	NoGas	141651	0.00
Be	9	45	2	NoGas	81	48.30
B	11	45	2	NoGas	18817	0.01
Na	23	45	1	He	15399	0.01
Mg	24	45	1	He	411	7.47
Al	27	45	1	He	314	6.59
K	39	45	1	He	7009	0.04
Ca	44	45	1	He	266	5.23
Cr	52	45	1	He	199	13.39
Mn	55	45	1	He	387	4.48
Fe	56	45	1	He	2239	0.38
Co	59	45	1	He	67	56.62
Ni	60	45	1	He	158	7.84
Cu	63	45	1	He	313	3.83
Zn	66	45	1	He	606	2.65
As	75	115	1	He	32	29.68
Se	78	115	1	He	13	241.27
Sr	88	103	1	He	139	12.50
Mo	95	103	1	He	310	17.38
Ag	107	103	1	He	7	0.00
Cd	111	115	1	He	6	141.28
Sn	118	115	1	He	1019	1.57
Sb	123	115	1	He	151	25.38
Ba	137	115	1	He	24	225.38
W	182	159	1	He	852	3.59
Tl	205	165	1	He	250	10.29
Pb	208	165	1	He	748	1.67

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	2	NoGas	2337834	1.72
Sc	45	1	He	473826	0.43
Sc	45	2	NoGas	5893646	0.28
Rh	103	1	He	1846980	0.65
In	115	1	He	1029068	0.39
Tb	159	1	He	3441007	0.76
Ho	165	1	He	3492263	0.99
Bi	209	1	He	2747626	1.35

Hexavalent Chromium by Method 218.6 Summary Forms

Form 3A

Matrix Spike and Matrix Spike Duplicate Recovery Summary

Analysis Method: EPA 218.6
 Matrix (soil/water): Water

SDG No.: TMM075
 Units: ug/L
 Lab Sample ID: 2214107010
 Lab MS Sample ID: 2499179
 Lab MSD Sample ID: 2499180

Analyte	Spike Added	Sample Concentration	MS Concentration	MS Recovery (%)	(1)	Acceptable Limits (%)
Hexavalent Chromium	5	0.0	4.8	96.7		90 - 110

Analyte	Spike Added	MSD Concentration	MSD Recovery (%)	(1)	Acceptable Limits (%)	RPD (%)	(1)	Acc. Lim. (%)
Hexavalent Chromium	5	4.8	96.9		90 - 110	0.19		20

(1) The following qualifiers are used:

* : Values outside of acceptable limits
 D : Spikes diluted out

Comments:

Form 3A

Matrix Spike and Matrix Spike Duplicate Recovery Summary

Analysis Method: EPA 218.6
 Matrix (soil/water): Water

SDG No.: TMM075
 Units: ug/L
 Lab Sample ID: 2214107020
 Lab MS Sample ID: 2499183
 Lab MSD Sample ID: 2499184

Analyte	Spike Added	Sample Concentration	MS Concentration	MS Recovery (%)	(1)	Acceptable Limits (%)
Hexavalent Chromium	5	0.0	4.8	95.6		90 - 110

Analyte	Spike Added	MSD Concentration	MSD Recovery (%)	(1)	Acceptable Limits (%)	RPD (%)	(1)	Acc. Lim. (%)
Hexavalent Chromium	5	4.9	97.5		90 - 110	2.01		20

(1) The following qualifiers are used:

* : Values outside of acceptable limits
 D : Spikes diluted out

Comments:

Form 3A

Matrix Spike and Matrix Spike Duplicate Recovery Summary

Analysis Method: EPA 218.6
 Matrix (soil/water): Water

SDG No.: TMM075
 Units: ug/L
 Lab Sample ID: 2214107030
 Lab MS Sample ID: 2499193
 Lab MSD Sample ID: 2499194

Analyte	Spike Added	Sample Concentration	MS Concentration	MS Recovery (%)	(1)	Acceptable Limits (%)
Hexavalent Chromium	5	0.0	4.9	97.8		90 - 110

Analyte	Spike Added	MSD Concentration	MSD Recovery (%)	(1)	Acceptable Limits (%)	RPD (%)	(1)	Acc. Lim. (%)
Hexavalent Chromium	5	4.8	96.7		90 - 110	1.13		20

(1) The following qualifiers are used:

* : Values outside of acceptable limits
 D : Spikes diluted out

Comments:

Form 3A

Matrix Spike and Matrix Spike Duplicate Recovery Summary

Analysis Method: EPA 218.6
 Matrix (soil/water): Water

SDG No.: TMM075
 Units: ug/L
 Lab Sample ID: 2214107036
 Lab MS Sample ID: 2499197
 Lab MSD Sample ID: 2499198

Analyte	Spike Added	Sample Concentration	MS Concentration	MS Recovery (%)	(1)	Acceptable Limits (%)
Hexavalent Chromium	5	0.0	4.8	96.6		90 - 110

Analyte	Spike Added	MSD Concentration	MSD Recovery (%)	(1)	Acceptable Limits (%)	RPD (%)	(1)	Acc. Lim. (%)
Hexavalent Chromium	5	4.8	96.4		90 - 110	0.21		20

(1) The following qualifiers are used:

* : Values outside of acceptable limits
 D : Spikes diluted out

Comments:

Form 4B

Inorganic Blank Summary

Analysis Method: EPA 218.6
Instrument: IC-4

SDG No.: TMM075[illegible]

(1) The following qualifiers are used:

U: The analyte concentration is less than the reporting limit listed
J: The analyte concentration is less than the reporting limit but greater than the method detection limit

Comments:

Inorganic Initial and Continuing Calibration Verification Summary

SDG No. TMM075

Units: ug/L

[illegible]

* : Values outside of acceptable limits

Laboratory Control Sample (LCS) Recovery Summary

Analysis Method: EPA 218.6

SDG No.: TMM075

Matrix (soil/water): QC-Water
Units: ug/L

Instrument ID: IC-4

[illegible]

(1) The following qualifiers are used:

* : Values outside of acceptable limits

Comments:

SAMPLE IDENTIFICATION

MSA-SW37A-030917

COMPOUND

Trichloroethene

COMPOUND AREA

9188

INTERNAL STANDARD AMOUNT

20

DILUTION FACTOR

1

INTERNAL STANDARD AREA

985665

AVERAGE RRF

0.2843

0.66 µg/L

$9188 \times 20 \times 1 / 985665 \times 0.2843$

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-76547-1</u>
SDG No.: _____	
Client Sample ID: <u>MSA-SW37A-030917</u>	Lab Sample ID: <u>240-76547-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXM1138.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>03/09/2017 12:11</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/13/2017 15:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>270300</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	1.0	U	1.0	0.31
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	0.46	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.26
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.36
74-95-3	Dibromomethane	1.0	U	1.0	0.46
75-27-4	Bromodichloromethane	1.0	U	1.0	0.30
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.50
100-41-4	Ethylbenzene	1.0	U	1.0	0.26
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.23
108-20-3	Diisopropyl ether	5.0	U	5.0	0.44
91-20-3	Naphthalene	1.0	U	1.0	0.25
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.24
104-51-8	n-Butylbenzene	1.0	U	1.0	0.21
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	n-Propylbenzene	1.0	U	1.0	0.45
78-93-3	2-Butanone	5.0	U	5.0	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.71
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.27
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.27
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.29
75-09-2	Methylene Chloride	1.0	U	1.0	0.53
95-47-6	o-Xylene	1.0	U	1.0	0.28
100-42-5	Styrene	1.0	U	1.0	0.23
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.35
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.26
127-18-4	Tetrachloroethene	1.0	U	1.0	0.30
108-88-3	Toluene	1.0	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.31
79-01-6	Trichloroethene	0.64	J	1.0	0.33
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.50
108-05-4	Vinyl acetate	2.0	U	2.0	0.28
75-01-4	Vinyl chloride	0.50	U	0.50	0.45
75-65-0	tert-Butyl alcohol	20	U	20	4.6
1330-20-7	Xylenes, Total	2.0	U	2.0	0.24

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX16\20170313-63090.b\UXM1138.D
 Lims ID: 240-76547-B-1
 Client ID: MSA-SW37A-030917
 Sample Type: Client
 Inject. Date: 13-Mar-2017 15:22:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0063090-013
 Operator ID: 001765 Instrument ID: A3UX16
 Method: \\ChromNA\Canton\ChromData\A3UX16\20170313-63090.b\8260_16.m
 Limit Group: MSV 8260C ICAL
 Last Update: 15-Mar-2017 08:44:54 Calib Date: 08-Mar-2017 11:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Canton\ChromData\A3UX16\20170308-62949.b\UXM1074.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: bosworthh

Date: 13-Mar-2017 16:54:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.236	5.236	0.000	99	985665	20.0	
* 2 Chlorobenzene-d5	117	7.916	7.916	0.000	86	710759	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.157	10.157	0.000	96	395290	20.0	
\$ 4 Dibromofluoromethane (Surr	113	4.666	4.666	0.000	94	229133	20.1	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	4.951	4.951	0.000	98	245437	20.0	
\$ 6 Toluene-d8 (Surr)	98	6.611	6.611	0.000	93	976667	20.6	
\$ 7 4-Bromofluorobenzene (Surr	95	9.030	9.030	0.000	86	381613	22.2	
9 Dichlorodifluoromethane	85		1.441				ND	
10 Chloromethane	50		1.595				ND	
11 Vinyl chloride	62		1.702				ND	
13 Bromomethane	94		1.986				ND	
14 Chloroethane	64		2.081				ND	
16 Trichlorofluoromethane	101		2.295				ND	
19 1,1-Dichloroethene	96		2.757				ND	
20 1,1,2-Trichloro-1,2,2-trif	151		2.793				ND	
21 Acetone	43		2.793				ND	
24 Carbon disulfide	76	2.947	2.947	0.000	100	4904	0.1075	
28 Methylene Chloride	84		3.172				ND	
29 2-Methyl-2-propanol	59		3.279				ND	
32 trans-1,2-Dichloroethene	96		3.421				ND	
31 Methyl tert-butyl ether	73		3.421				ND	
34 1,1-Dichloroethane	63		3.777				ND	
35 Vinyl acetate	43		3.813				ND	
36 Isopropyl ether	87		3.836				ND	
38 Tert-butyl ethyl ether	59		4.145				ND	
39 cis-1,2-Dichloroethene	96	4.263	4.263	0.000	78	7534	0.4607	
41 2,2-Dichloropropane	77		4.263				ND	
40 2-Butanone (MEK)	43		4.275				ND	
45 Chlorobromomethane	128		4.465				ND	
47 Chloroform	83		4.536				ND	
48 1,1,1-Trichloroethane	97		4.702				ND	
50 1,1-Dichloropropene	75		4.832				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		4.844				ND	
54 Benzene	78		5.010				ND	
53 1,2-Dichloroethane	62		5.010				ND	
55 Tert-amyl methyl ether	73		5.105				ND	
58 Trichloroethene	130	5.556	5.556	0.000	96	9188	0.6419	
61 1,2-Dichloropropane	63		5.746				ND	
63 Dibromomethane	93		5.840				ND	
65 Dichlorobromomethane	83		5.971				ND	
67 2-Chloroethyl vinyl ether	63		6.232				ND	
68 cis-1,3-Dichloropropene	75		6.362				ND	
69 4-Methyl-2-pentanone (MIBK)	43		6.505				ND	
70 Toluene	91		6.671				ND	
71 trans-1,3-Dichloropropene	75		6.848				ND	
74 1,3-Dichloropropane	76		7.169				ND	
75 Tetrachloroethene	164		7.169				ND	
76 2-Hexanone	43		7.240				ND	
78 Chlorodibromomethane	129		7.382				ND	
80 Ethylene Dibromide	107		7.489				ND	
82 Chlorobenzene	112		7.951				ND	
83 1,1,1,2-Tetrachloroethane	131		8.022				ND	
84 Ethylbenzene	106		8.058				ND	
85 m-Xylene & p-Xylene	106		8.165				ND	
86 o-Xylene	106		8.532				ND	
87 Styrene	104		8.544				ND	
88 Bromoform	173		8.722				ND	
89 Isopropylbenzene	105		8.888				ND	
92 1,1,2,2-Tetrachloroethane	83		9.161				ND	
93 Bromobenzene	156		9.185				ND	
95 1,2,3-Trichloropropane	110		9.208				ND	
96 N-Propylbenzene	120		9.291				ND	
97 2-Chlorotoluene	126		9.374				ND	
100 4-Chlorotoluene	126		9.469				ND	
102 tert-Butylbenzene	119		9.777				ND	
104 1,2,4-Trimethylbenzene	105		9.825				ND	
105 sec-Butylbenzene	105		9.991				ND	
106 1,3-Dichlorobenzene	146		10.098				ND	
107 4-Isopropyltoluene	119		10.133				ND	
108 1,4-Dichlorobenzene	146		10.181				ND	
109 1,2,3-Trimethylbenzene	105		10.240				ND	
111 n-Butylbenzene	91		10.536				ND	
112 1,2-Dichlorobenzene	146		10.548				ND	
113 1,2-Dibromo-3-Chloropropan	157		11.319				ND	
115 1,2,4-Trichlorobenzene	180		12.149				ND	
116 Hexachlorobutadiene	225	12.327	12.339	-0.012	80	1900	0.3289	
117 Naphthalene	128		12.398				ND	
118 1,2,3-Trichlorobenzene	180		12.635				ND	
S 133 Xylenes, Total	106		16.450				ND	
T 125 Chlorodifluoromethane TIC	51		1.495				ND	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-76547-1 Analy Batch No.: 265930

SDG No.: _____

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2017 11:17 Calibration End Date: 02/08/2017 13:20 Calibration ID: 38230

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0068 0.0054	0.0053	0.0051	0.0060	0.0064	Ave		0.0058				11.4		20.0			
Benzene	1.1322 1.1868	0.9742	1.0448	1.1522	1.2464	Ave		1.1228			0.5000	8.8		20.0			
1,2-Dichloroethane	0.3413 0.3337	0.3076	0.2973	0.3297	0.3608	Ave		0.3284			0.1000	7.0		20.0			
n-Heptane	++++ 0.1058	0.7533	0.1688	0.1330	0.1264	Lin1	0.6568	0.1009							0.9950		0.9900
Trichloroethene	0.3387 0.2898	0.2398	0.2535	0.2790	0.3046	Ave		0.2843			0.1500	12.5		20.0			
Methylcyclohexane	0.3152 0.3343	0.2967	0.3159	0.3386	0.3619	Ave		0.3271			0.1000	7.0		20.0			
1,2-Dichloropropane	0.2673 0.2805	0.2220	0.2480	0.2729	0.2960	Ave		0.2644			0.1000	9.9		20.0			
Dibromomethane	0.1495 0.1371	0.1148	0.1226	0.1335	0.1522	Ave		0.1350				10.9		20.0			
1,4-Dioxane	++++ 0.0017	0.0015	0.0015	0.0018	0.0020	Ave		0.0017				11.7		20.0			
Dichlorobromomethane	0.3071 0.3373	0.2812	0.2963	0.3113	0.3539	Ave		0.3145			0.1500	8.5		20.0			
2-Chloroethyl vinyl ether	0.1020 0.1278	0.1027	0.1175	0.1262	0.1445	Ave		0.1201				13.6		20.0			
cis-1,3-Dichloropropene	0.4904 0.4546	0.3504	0.4007	0.4229	0.4801	Ave		0.4332			0.1500	12.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.1791 0.1747	0.1777	0.1749	0.1879	0.2045	Ave		0.1831			0.0500	6.3		20.0			
Toluene	1.5807 1.6126	1.3100	1.5016	1.4843	1.6616	Ave		1.5251			0.4000	8.2		20.0			
trans-1,3-Dichloropropene	0.5455 0.4937	0.4272	0.4704	0.4666	0.5340	Ave		0.4896			0.1000	9.1		20.0			
Ethyl methacrylate	0.3523 0.3793	0.3777	0.4012	0.3922	0.4262	Ave		0.3881				6.4		20.0			
1,1,2-Trichloroethane	0.2419 0.2574	0.2368	0.2476	0.2361	0.2810	Ave		0.2501			0.1000	6.8		20.0			
Tetrachloroethene	0.2644 0.2657	0.2265	0.2433	0.2494	0.2762	Ave		0.2543			0.1500	7.1		20.0			
1,3-Dichloropropane	0.4258 0.4844	0.4640	0.4728	0.4626	0.5278	Ave		0.4729				7.0		20.0			
2-Hexanone	0.1922 0.1672	0.1848	0.1854	0.1888	0.2018	Ave		0.1867			0.0500	6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MSA-SW41A-030917

Lab Sample ID: 240-76547-17

Lab Name: TestAmerica Canton

Job No.: 240-76547-1

SDG ID.:

Matrix: Water

Date Sampled: 03/09/2017 10:48

Reporting Basis: WET

Date Received: 03/10/2017 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1.5	2.0	0.27	ug/L	J		1	6020
7440-38-2	Arsenic	1.3	5.0	0.35	ug/L	J		1	6020
7440-39-3	Barium	24	5.0	0.52	ug/L			1	6020
7440-41-7	Beryllium	1.0	1.0	0.40	ug/L	U		1	6020
7440-43-9	Cadmium	1.0	1.0	0.31	ug/L	U		1	6020
7440-47-3	Chromium	2.0	2.0	0.26	ug/L	U		1	6020
7440-48-4	Cobalt	0.82	1.0	0.13	ug/L	J		1	6020
7440-50-8	Copper	2.2	2.0	0.36	ug/L			1	6020
7439-92-1	Lead	0.34	1.0	0.16	ug/L	J		1	6020
7439-98-7	Molybdenum	2.7	10	0.51	ug/L	J	B	1	6020
7440-02-0	Nickel	1.2	2.0	0.28	ug/L	J		1	6020
7782-49-2	Selenium	1.1	5.0	0.48	ug/L	J		1	6020
7440-22-4	Silver	1.0	1.0	0.030	ug/L	U		1	6020
7440-28-0	Thallium	1.0	1.0	0.28	ug/L	U		1	6020
7440-62-2	Vanadium	5.0	5.0	0.54	ug/L	U		1	6020
7440-66-6	Zinc	20	20	6.2	ug/L	U		1	6020
7440-33-7	Tungsten	2.9	10	0.89	ug/L	J		1	6020
7439-97-6	Mercury	0.20	0.20	0.13	ug/L	U		1	7470A

Sample Report

Sample Table

Sample Name 240-76547-d-17-a
 Data File Name 125SMPL.d
 Data Path Name D:\Analytical Runs\110031317A.b
 Acq Date Time 2017-03-13T19:15:18-04:00
 Sample Type Sample
 Dilution 1
 Comment
 ISTD Ref FileName 002CALB.d
 Sample QC Pass/Fail Fail
 ISTD Pass/Fail Pass

2.031 ppb * 10 = 20 ug/L

QC Analyte Table

Name	Mass	ISTD Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Li	7	45	2	NoGas	18.015	18.015	0.61	361253	0.00	10000	
Be	9	45	2	NoGas	0.134	0.134	20.94	482	0.03	2000	
B	11	45	2	NoGas	438.727	438.727	1.44	1046638	0.04	300	>LDR
Na	23	45	1	He	1090164.501	1090164.501	0.59	558246778	0.20	500000	>LDR
Mg	24	45	1	He	129749.941	129749.941	1.48	35549187	0.36	500000	
Al	27	45	1	He	15.756	15.756	9.05	2340	0.67	200000	
K	39	45	1	He	41468.906	41468.906	0.29	9959820	0.42	500000	
Ca	44	45	1	He	58096.085	58096.085	1.43	716380	8.11	500000	
Ti	47	45	1	He	0.537	0.537	57.47	42	1.27	2500	
V	51	45	1	He	0.473	0.473	36.51	868	0.05	10000	
Cr	52	45	1	He	0.248	0.248	26.11	739	0.03	10000	
Mn	55	45	1	He	90.837	90.837	1.77	150345	0.06	10000	
Fe	56	45	1	He	16.941	16.941	14.19	34142	0.05	200000	
Co	59	45	1	He	0.816	0.816	9.08	2768	0.03	5000	
Ni	60	45	1	He	1.222	1.222	2.65	1168	0.10	10000	
Cu	63	45	1	He	2.230	2.230	4.10	5191	0.04	10000	
Zn	66	45	1	He	2.031	2.031	18.72	1571	0.13	10000	
As	75	115	1	He	1.321	1.321	8.43	420	0.31	10000	
Se	78	115	1	He	1.126	1.126	20.75	42	2.66	10000	
Sr	88	103	1	He	947.553	947.553	2.08	1959958	0.05	10000	
Mo	95	103	1	He	2.668	2.668	7.23	3088	0.09	2000	
Ag	107	103	1	He	0.015	0.015	46.89	69	0.02	300	
Cd	111	115	1	He	0.180	0.180	30.38	132	0.14	4000	
Sn	118	115	1	He	6.361	6.361	37.98	11145	0.06	2000	
Sb	123	115	1	He	1.450	1.450	16.97	2381	0.06	200	
Ba	137	115	1	He	23.640	23.640	2.44	18926	0.12	10000	
W	182	159	1	He	2.891	2.891	31.44	15745	0.02	2500	
Tl	205	165	1	He	0.115	0.115	23.48	1637	0.01	2000	
Pb	208	165	1	He	0.338	0.338	14.10	6477	0.01	4000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	2	NoGas	2017664	0.86	2299258	87.75	60	120	
Sc	45	1	He	467097	1.45	464015	100.66	60	120	
Sc	45	2	NoGas	5516220	0.91	5841936	94.42	60	120	
Rh	103	1	He	1469721	1.81	1783467	82.41	60	120	
In	115	1	He	875151	0.45	1003395	87.22	60	120	
Tb	159	1	He	3027394	0.17	3352388	90.31	60	120	
Ho	165	1	He	3107845	1.79	3393431	91.58	60	120	
Bi	209	1	He	1991422	1.70	2676080	74.42	60	120	

APPENDIX C—CHEMICAL-RESULTS DATA TABLE

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 2 of 21

LOCATION	EL-SW01A	EL-SW01B	EL-SW01C	EL-SW01D	MSA-SW37A	MSA-SW37B	MSA-SW37C
SAMPLE ID	EL-SW01A-030917	EL-SW01B-030917	EL-SW01C-030917	EL-SW01D-030917	MSA-SW37A-030917	MSA-SW37B-030917	MSA-SW37C-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	0.4 J	0.5 J	0.49 J	0.53 J	0.64 J	0.63 J	0.33 U
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Volatile organic compound tentatively identified compounds (µg/L)							
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	1.5 NJ	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	1.2 NJ	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	1.2 NJ	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 3 of 21

LOCATION	EL-SW01A	EL-SW01B	EL-SW01C	EL-SW01D	MSA-SW37A	MSA-SW37B	MSA-SW37C
SAMPLE ID	EL-SW01A-030917	EL-SW01B-030917	EL-SW01C-030917	EL-SW01D-030917	MSA-SW37A-030917	MSA-SW37B-030917	MSA-SW37C-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)							
ANTIMONY	NA	NA	NA	NA	1.4 U	1.9 U	0.83 U
ARSENIC	NA	NA	NA	NA	1.8 J	2.1 J	1.8 J
BARIUM	NA	NA	NA	NA	26	26 J	26 J
BERYLLIUM	NA	NA	NA	NA	0.4 U	0.4 U	0.4 UJ
CADMIUM	NA	NA	NA	NA	0.31 U	0.31 UJ	0.31 UJ
CHROMIUM	NA	NA	NA	NA	0.33 J	0.53 J	0.26 UJ
COBALT	NA	NA	NA	NA	0.63 U	0.69 U	0.46 U
COPPER	NA	NA	NA	NA	3	3.1	2.9 J
LEAD	NA	NA	NA	NA	0.52 U	0.68 U	0.43 U
MERCURY	NA	NA	NA	NA	0.13 U	0.13 U	0.13 U
MOLYBDENUM	NA	NA	NA	NA	1.7 J	1.8 J	1.3 J
NICKEL	NA	NA	NA	NA	1.3 J	1.5 J	1.3 J
SELENIUM	NA	NA	NA	NA	0.6 J	1 J	0.9 J
SILVER	NA	NA	NA	NA	0.03 UJ	0.03 UJ	0.03 UJ
THALLIUM	NA	NA	NA	NA	0.28 U	0.28 U	0.28 UJ
TUNGSTEN	NA	NA	NA	NA	2.6 U	3.5 U	0.89 UJ
VANADIUM	NA	NA	NA	NA	0.54 U	1.2 J	0.62 J
ZINC	NA	NA	NA	NA	6.2 U	6.2 U	6.2 UJ
Miscellaneous parameters (µg/L)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	0.047 U	0.047 U	0.047 U
Miscellaneous parameters (mg/L)							
CALCIUM HARDNESS AS CaCO ₃	NA	NA	NA	NA	150	150	150
HARDNESS AS CaCO ₃	NA	NA	NA	NA	720	700	720
MAGNESIUM HARDNESS AS CaCO ₃	NA	NA	NA	NA	570	550	560

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 4 of 21

LOCATION	MSA-SW37D		MSA-SW38A	MSA-SW38B	MSA-SW38C	MSA-SW38D	MSA-SW39A
SAMPLE ID	MSA-SW37D-030917	MSA-SW37D-030917A	MSA-SW38A-030917	MSA-SW38B-030917	MSA-SW38C-030917	MSA-SW38D-030917	MSA-SW39A-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Volatile organic compounds (µg/L)							
1,1,1,2-TETRACHLOROETHANE	0.46 U	NA	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,1,1-TRICHLOROETHANE	0.23 U	NA	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	NA	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	NA	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.25 U	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1-DICHLOROETHENE	0.27 U	NA	0.3 J	0.27 U	0.27 U	0.27 U	0.27 U
1,1-DICHLOROPROPENE	0.28 U	NA	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,2,3-TRICHLOROBENZENE	0.35 U	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.54 U	NA	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,2,3-TRIMETHYLBENZENE	0.22 U	NA	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,2,4-TRICHLOROBENZENE	0.27 U	NA	0.38 J	0.27 U	0.27 U	0.27 U	0.27 U
1,2,4-TRIMETHYLBENZENE	0.24 U	NA	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-DIBROMO-3-CHLOROPROPANE	0.47 U	NA	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
1,2-DIBROMOETHANE	0.23 U	NA	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-DICHLOROBENZENE	0.26 U	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-DICHLOROETHANE	0.3 U	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-DICHLOROPROPANE	0.3 U	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,3-DICHLOROBENZENE	0.32 U	NA	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,3-DICHLOROPROPANE	0.29 U	NA	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
1,4-DICHLOROBENZENE	0.23 U	NA	0.51 J	0.23 U	0.23 U	0.23 U	0.23 U
2,2-DICHLOROPROPANE	0.34 U	NA	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-BUTANONE	1 U	NA	1 U	1 U	1 U	1 U	1 U
2-CHLOROETHYL VINYL ETHER	0.65 UR	NA	0.65 UR	0.65 UR	0.65 UR	0.65 UR	0.65 UR
2-CHLOROTOLUENE	0.28 U	NA	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2-HEXANONE	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
4-CHLOROTOLUENE	0.23 U	NA	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
4-ISOPROPYLTOLUENE	0.29 U	NA	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
4-METHYL-2-PENTANONE	0.71 U	NA	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
ACETONE	1.8 U	NA	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
BENZENE	0.28 U	NA	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
BROMOBENZENE	0.31 U	NA	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
BROMOCHLOROMETHANE	0.47 U	NA	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
BROMODICHLOROMETHANE	0.3 U	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
BROMOFORM	0.43 U	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
BROMOMETHANE	0.42 U	NA	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
CARBON DISULFIDE	0.34 U	NA	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
CARBON TETRACHLORIDE	0.35 U	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
CHLOROBENZENE	0.32 U	NA	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
CHLORODIBROMOMETHANE	0.25 U	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIFLUOROMETHANE	1 UJ	NA	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.41 U	NA	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
CHLOROFORM	0.31 U	NA	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
CHLOROMETHANE	0.43 U	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
CIS-1,2-DICHLOROETHENE	0.49 J	NA	22	2.2	1.8	1.6	0.3 U
CIS-1,3-DICHLOROPROPENE	0.26 U	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
DIBROMOMETHANE	0.46 U	NA	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
DICHLORODIFLUOROMETHANE	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DIISOPROPYL ETHER	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
ETHYL TERT-BUTYL ETHER	0.35 U	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
ETHYLBENZENE	0.26 U	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
HEXACHLOROBUTADIENE	0.36 U	NA	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 5 of 21

LOCATION	MSA-SW37D		MSA-SW38A	MSA-SW38B	MSA-SW38C	MSA-SW38D	MSA-SW39A
SAMPLE ID	MSA-SW37D-030917	MSA-SW37D-030917A	MSA-SW38A-030917	MSA-SW38B-030917	MSA-SW38C-030917	MSA-SW38D-030917	MSA-SW39A-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	NA	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	NA	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	NA	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	NA	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	NA	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	NA	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	NA	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	NA	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	NA	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	NA	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	NA	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	NA	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	NA	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	0.64 J	NA	7.5	2.3	2.2	1.9	0.33 U
TRICHLOROFLUOROMETHANE	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	NA	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	0.45 U	NA	15	0.98	0.72	0.68	0.45 U
Volatile organic compound tentatively identi							
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	6.3 NJ	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 6 of 21

LOCATION	MSA-SW37D		MSA-SW38A	MSA-SW38B	MSA-SW38C	MSA-SW38D	MSA-SW39A
SAMPLE ID	MSA-SW37D-030917	MSA-SW37D-030917A	MSA-SW38A-030917	MSA-SW38B-030917	MSA-SW38C-030917	MSA-SW38D-030917	MSA-SW39A-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)							
ANTIMONY	0.34 U	NA	0.36 U	0.27 U	0.27 U	0.27 U	0.27 UJ
ARSENIC	1.7 J	NA	1.3 J	1.5 J	1.8 J	1.9 J	1.7 J
BARIUM	26 J	NA	27 J	26	27	26	26 J
BERYLLIUM	0.4 UJ	NA	0.4 UJ	0.4 U	0.4 U	0.4 U	0.4 U
CADMIUM	0.31 UJ	NA	0.52 J	0.31 U	0.31 U	0.31 U	0.31 UJ
CHROMIUM	0.26 UJ	NA	0.35 J	0.3 J	0.65 J	0.26 U	0.26 U
COBALT	0.46 U	NA	2 J	0.55 U	0.54 U	0.48 U	0.29 U
COPPER	2.4 J	NA	2.7 J	2.6	2.6	2.7	2.1
LEAD	0.35 U	NA	0.35 U	0.29 U	0.29 U	0.32 U	0.27 U
MERCURY	0.13 U	NA	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
MOLYBDENUM	1.1 J	NA	1.3 J	1 J	1.2 J	1.2 J	1.1 J
NICKEL	1.3 J	NA	1.9 J	1.3 J	1.5 J	1.4 J	1.2 J
SELENIUM	0.71 J	NA	0.86 J	0.48 U	0.69 J	0.71 J	0.88 J
SILVER	0.03 UJ	NA	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ
THALLIUM	0.28 UJ	NA	0.28 UJ	0.28 U	0.28 U	0.28 U	0.28 U
TUNGSTEN	0.89 UJ	NA	0.89 UJ	0.89 U	0.89 U	0.89 U	0.89 U
VANADIUM	0.54 UJ	NA	0.54 UJ	0.54 U	0.55 J	0.54 U	0.55 J
ZINC	6.2 UJ	NA	6.2 UJ	6.2 U	6.2 U	6.2 U	6.2 U
Miscellaneous parameters (µg/L)							
HEXAVALENT CHROMIUM	NA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Miscellaneous parameters (mg/L)							
CALCIUM HARDNESS AS CaCO ₃	140	NA	160	150	150	160	150
HARDNESS AS CaCO ₃	670	NA	730	700	720	730	680
MAGNESIUM HARDNESS AS CaCO ₃	530	NA	570	550	570	580	540

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 8 of 21

LOCATION	MSA-SW39B	MSA-SW39C	MSA-SW39D	MSA-SW40A	MSA-SW40B	MSA-SW40C	MSA-SW40D
SAMPLE ID	MSA-SW39B-030917	MSA-SW39C-030917	MSA-SW39D-030917	MSA-SW40A-030917	MSA-SW40B-030917	MSA-SW40C-030917	MSA-SW40D-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	0.33 U	0.33 U	0.33 U	1.9	0.69 J	0.67 J	1.5
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	1.3	0.61	0.53	0.45 U
Volatile organic compound tentatively identi							
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 9 of 21

LOCATION	MSA-SW39B	MSA-SW39C	MSA-SW39D	MSA-SW40A	MSA-SW40B	MSA-SW40C	MSA-SW40D
SAMPLE ID	MSA-SW39B-030917	MSA-SW39C-030917	MSA-SW39D-030917	MSA-SW40A-030917	MSA-SW40B-030917	MSA-SW40C-030917	MSA-SW40D-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)							
ANTIMONY	0.27 U	0.27 UJ	0.27 UJ	0.27 UJ	0.27 U	0.27 UJ	0.6 U
ARSENIC	1.7 J	1.9 J	1.7 J	1.7 J	1.8 J	1.7 J	1.3 J
BARIUM	27	26 J	25 J	26 J	26	26 J	25
BERYLLIUM	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 UJ	0.4 U
CADMIUM	0.31 U	0.31 UJ	0.31 UJ	0.31 UJ	0.31 U	0.31 UJ	0.31 U
CHROMIUM	0.26 J	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.85 J
COBALT	0.34 U	0.26 U	0.32 U	0.49 U	0.44 U	0.45 U	0.4 U
COPPER	2.4	1.6 J	2.5	3	2.8	2.6 J	1.7 J
LEAD	0.24 U	0.2 U	0.23 U	0.25 U	0.23 U	0.32 U	0.35 U
MERCURY	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
MOLYBDENUM	1.1 J	0.99 J	0.95 J	1.2 J	1.2 J	1.1 J	2.1 U
NICKEL	1.2 J	1.2 J	1.1 J	1.1 J	1.4 J	1.3 J	1.1 J
SELENIUM	0.57 J	0.54 J	0.48 UJ	0.48 J	0.48 U	0.48 UJ	0.75 U
SILVER	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 U
THALLIUM	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
TUNGSTEN	0.89 U	0.89 UJ	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U
VANADIUM	0.55 J	0.54 U	0.54 U	0.54 J	0.62 J	0.54 UJ	0.54 U
ZINC	18 J	6.2 U	6.2 U	6.2 U	6.2 U	6.2 UJ	6.2 U
Miscellaneous parameters (µg/L)							
HEXAVALENT CHROMIUM	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Miscellaneous parameters (mg/L)							
CALCIUM HARDNESS AS CaCO ₃	150	150	150	150	150	150	150
HARDNESS AS CaCO ₃	710	700	690	710	700	710	700
MAGNESIUM HARDNESS AS CaCO ₃	560	550	540	560	550	560	560

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 11 of 21

LOCATION	MSA-SW41A	MSA-SW41B	MSA-SW41C	MSA-SW41D	MSA-SW42A	MSA-SW42B	MSA-SW42C
SAMPLE ID	MSA-SW41A-030917	MSA-SW41B-030917	MSA-SW41C-030917	MSA-SW41D-030917	MSA-SW42A-030917	MSA-SW42B-030917	MSA-SW42C-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	5	0.63 J	1.4	1.6	0.67 J	0.63 J	0.67 J
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	1.2	0.45 U	0.45 U	0.7	1.2	0.51	0.45 U
Volatile organic compound tentatively identi							
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	1.3 NJ	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	1.3 NJ	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	1.2 NJ	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 12 of 21

LOCATION	MSA-SW41A	MSA-SW41B	MSA-SW41C	MSA-SW41D	MSA-SW42A	MSA-SW42B	MSA-SW42C
SAMPLE ID	MSA-SW41A-030917	MSA-SW41B-030917	MSA-SW41C-030917	MSA-SW41D-030917	MSA-SW42A-030917	MSA-SW42B-030917	MSA-SW42C-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)							
ANTIMONY	1.5 U	0.37 U	0.35 U	0.35 U	0.38 U	0.29 U	0.32 U
ARSENIC	1.3 J	1 J	1.3 J	1.2 J	1.3 J	1.3 J	1.2 J
BARIUM	24	24	25	24	25	25	25 J
BERYLLIUM	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CADMIUM	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 UJ
CHROMIUM	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
COBALT	0.82 U	0.59 U	0.49 U	0.44 U	0.45 U	0.42 U	0.43 U
COPPER	2.2	2.1	2.1	2.1	2.6	2.5	2.6
LEAD	0.34 U	0.26 U	0.25 U	0.25 U	0.26 U	0.24 U	0.23 U
MERCURY	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
MOLYBDENUM	2.7 U	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U
NICKEL	1.2 J	1.2 J	1.1 J	0.92 J	1.1 J	1.1 J	1 J
SELENIUM	1.1 U	0.54 U	0.69 U	0.68 U	0.6 U	0.68 U	0.87 U
SILVER	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ
THALLIUM	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
TUNGSTEN	2.9 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U
VANADIUM	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.57 J	0.54 U
ZINC	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
Miscellaneous parameters (µg/L)							
HEXAVALENT CHROMIUM	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Miscellaneous parameters (mg/L)							
CALCIUM HARDNESS AS CaCO ₃	150	150	150	150	150	150	150
HARDNESS AS CaCO ₃	680	690	700	680	700	700	700
MAGNESIUM HARDNESS AS CaCO ₃	530	540	550	540	550	550	550

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 14 of 21

LOCATION	MSA-SW42D	MSA-SW43A	MSA-SW43B	MSA-SW43C	MSA-SW43D	MSA-SW44A	MSA-SW44B
SAMPLE ID	MSA-SW42D-030917	MSA-SW43A-030917	MSA-SW43B-030917	MSA-SW43C-030917	MSA-SW43D-030917	MSA-SW44A-030917	MSA-SW44B-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	0.6 J	0.87 J	0.72 J	0.86 J	0.82 J	0.45 J	0.68 J
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Volatile organic compound tentatively identi							
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	2 NJ	NA	NA
2-CHLOROETHANOL	1.3 NJ	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	1.4 NJ	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	2.3 NJ	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	2.1 NJ	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 15 of 21

LOCATION	MSA-SW42D	MSA-SW43A	MSA-SW43B	MSA-SW43C	MSA-SW43D	MSA-SW44A	MSA-SW44B
SAMPLE ID	MSA-SW42D-030917	MSA-SW43A-030917	MSA-SW43B-030917	MSA-SW43C-030917	MSA-SW43D-030917	MSA-SW44A-030917	MSA-SW44B-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)							
ANTIMONY	0.35 U	0.27 U	0.27 U	0.4 U	0.27 U	0.28 U	0.27 UJ
ARSENIC	1.3 J	1 J	1.2 J	1.2 J	1.1 J	1.2 J	1.1 J
BARIUM	24	24	24	24	24	23	24 J
BERYLLIUM	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CADMIUM	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 UJ
CHROMIUM	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
COBALT	0.36 U	1.1	0.46 U	0.43 U	0.42 U	0.43 U	0.33 U
COPPER	2.5	2.3	2.4	2.2	2	2.2	2.1
LEAD	0.21 U	0.2 U	0.18 U	0.25 U	0.18 U	0.2 U	0.48 U
MERCURY	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
MOLYBDENUM	2 U	1.9 U	1.9 U	2 U	2 U	1.9 U	1.7 U
NICKEL	1 J	1.7 J	1.1 J	1 J	0.98 J	1.1 J	1.1 J
SELENIUM	0.69 U	0.48 U	0.69 U	0.48 U	0.71 U	0.48 U	0.48 UJ
SILVER	0.03 U	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ
THALLIUM	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
TUNGSTEN	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U
VANADIUM	0.54 U	0.54 U	0.54 U	0.54 U	0.57 J	0.54 U	0.54 U
ZINC	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
Miscellaneous parameters (µg/L)							
HEXAVALENT CHROMIUM	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Miscellaneous parameters (mg/L)							
CALCIUM HARDNESS AS CaCO ₃	150	150	150	150	150	150	150
HARDNESS AS CaCO ₃	710	700	700	690	700	700	710
MAGNESIUM HARDNESS AS CaCO ₃	560	550	550	540	550	550	560

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 17 of 21

LOCATION	MSA-SW44C	MSA-SW44D	MSA-SW45A	MSA-SW45B	MSA-SW45C	MSA-SW45D	MSA-SW46A
SAMPLE ID	MSA-SW44C-030917	MSA-SW44D-030917	MSA-SW45A-030917	MSA-SW45B-030917	MSA-SW45C-030917	MSA-SW45D-030917	MSA-SW46A-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	0.63 J	0.65 J	0.42 J	0.38 J	0.47 J	0.49 J	0.6 J
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.95
Volatile organic compound tentatively identi							
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	NA	NA	NA	NA
1-METHYLDODECYLAMINE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHANOL	NA	NA	NA	NA	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA	NA	NA	NA
3,3'-IMINOBISPROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	2.1 NJ	NA	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*	NA	NA	NA	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	NA	NA	NA	NA	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA	NA	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 18 of 21

LOCATION	MSA-SW44C	MSA-SW44D	MSA-SW45A	MSA-SW45B	MSA-SW45C	MSA-SW45D	MSA-SW46A
SAMPLE ID	MSA-SW44C-030917	MSA-SW44D-030917	MSA-SW45A-030917	MSA-SW45B-030917	MSA-SW45C-030917	MSA-SW45D-030917	MSA-SW46A-030917
SAMPLE DATE	20170309	20170309	20170309	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)							
ANTIMONY	0.27 U	0.27 U	0.27 U	0.27 U	0.31 U	0.27 U	NA
ARSENIC	1.2 J	1.3 J	1.2 J	1.2 J	1.1 J	1.4 J	NA
BARIUM	23	25	25	24	23	24	NA
BERYLLIUM	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	NA
CADMIUM	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	NA
CHROMIUM	0.28 J	0.26 U	0.26 U	0.26 U	0.26 U	1.4 J	NA
COBALT	0.32 U	0.35 U	0.41 U	0.29 U	0.33 U	0.33 U	NA
COPPER	2.2	2.4	2.2	16	16	2.2	NA
LEAD	0.18 U	0.17 U	0.18 U	0.19 U	0.17 U	0.25 U	NA
MERCURY	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA
MOLYBDENUM	1.9 U	1.9 U	2 U	1.7 U	1.8 U	1.1 J	NA
NICKEL	1 J	1 J	1.1 J	1 J	0.97 J	1 U	NA
SELENIUM	0.48 U	0.48 U	0.48 U	0.75 U	0.48 U	0.48 U	NA
SILVER	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 U	NA
THALLIUM	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	NA
TUNGSTEN	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	NA
VANADIUM	0.54 U	0.57 J	0.54 U	0.54 U	0.54 U	0.54 U	NA
ZINC	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	NA
Miscellaneous parameters (µg/L)							
HEXAVALENT CHROMIUM	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	NA
Miscellaneous parameters (mg/L)							
CALCIUM HARDNESS AS CaCO ₃	150	160	150	150	140	150	NA
HARDNESS AS CaCO ₃	690	750	730	700	680	700	NA
MAGNESIUM HARDNESS AS CaCO ₃	550	590	570	550	540	560	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 19 of 21

LOCATION	MSA-SW47A	MSA-SW48A	MSA-SW49A	QC
SAMPLE ID	MSA-SW47A-030917	MSA-SW48A-030917	MSA-SW49A-030917	TB-030917
SAMPLE DATE	20170309	20170309	20170309	20170309
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.46 U	0.46 U	0.46 U	0.46 U
1,1,1-TRICHLOROETHANE	0.23 U	0.23 U	0.23 U	0.23 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.32 U	0.32 U	0.32 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	0.41 U	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U
1,1-DICHLOROETHENE	0.27 U	0.27 U	0.27 U	0.27 U
1,1-DICHLOROPROPENE	0.28 U	0.28 U	0.28 U	0.28 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.35 U	0.35 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.54 U	0.54 U	0.54 U	0.54 U
1,2,3-TRIMETHYLBENZENE	0.22 U	0.22 U	0.22 U	0.22 U
1,2,4-TRICHLOROBENZENE	0.27 U	0.27 U	0.27 U	0.27 U
1,2,4-TRIMETHYLBENZENE	0.24 U	0.24 U	0.24 U	0.24 U
1,2-DIBROMO-3-CHLOROPROPANE	0.47 U	0.47 U	0.47 U	0.47 U
1,2-DIBROMOETHANE	0.23 U	0.23 U	0.23 U	0.23 U
1,2-DICHLOROBENZENE	0.26 U	0.26 U	0.26 U	0.26 U
1,2-DICHLOROETHANE	0.3 U	0.3 U	0.3 U	0.3 U
1,2-DICHLOROPROPANE	0.3 U	0.3 U	0.3 U	0.3 U
1,3-DICHLOROBENZENE	0.32 U	0.32 U	0.32 U	0.32 U
1,3-DICHLOROPROPANE	0.29 U	0.29 U	0.29 U	0.29 U
1,4-DICHLOROBENZENE	0.23 U	0.39 J	0.23 U	0.23 U
2,2-DICHLOROPROPANE	0.34 U	0.34 U	0.34 U	0.34 U
2-BUTANONE	1 U	1 UJ	1 UJ	1 UJ
2-CHLOROETHYL VINYL ETHER	0.65 UR	0.65 UR	0.65 UR	0.65 UR
2-CHLOROTOLUENE	0.28 U	0.28 U	0.28 U	0.28 U
2-HEXANONE	1.2 U	1.2 U	1.2 U	1.2 U
4-CHLOROTOLUENE	0.23 U	0.23 U	0.23 U	0.23 U
4-ISOPROPYLTOLUENE	0.29 U	0.29 U	0.29 U	0.29 U
4-METHYL-2-PENTANONE	0.71 U	0.71 U	0.71 U	0.71 U
ACETONE	1.8 U	1.8 U	1.8 U	1.8 U
BENZENE	0.28 U	0.28 U	0.28 U	0.28 U
BROMOBENZENE	0.31 U	0.31 U	0.31 U	0.31 U
BROMOCHLOROMETHANE	0.47 U	0.47 U	0.47 U	0.47 U
BROMODICHLOROMETHANE	0.3 U	0.3 U	0.3 U	0.3 U
BROMOFORM	0.43 U	0.43 U	0.43 U	0.43 U
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
CARBON DISULFIDE	0.34 U	0.34 U	0.34 U	0.34 U
CARBON TETRACHLORIDE	0.35 U	0.35 U	0.35 U	0.35 U
CHLOROBENZENE	0.32 U	0.32 U	0.32 U	0.32 U
CHLORODIBROMOMETHANE	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ
CHLOROFORM	0.31 U	0.31 U	0.31 U	0.31 U
CHLOROMETHANE	0.43 U	0.43 U	0.43 U	0.43 U
CIS-1,2-DICHLOROETHENE	8.4	13	13	0.3 U
CIS-1,3-DICHLOROPROPENE	0.26 U	0.26 U	0.26 U	0.26 U
DIBROMOMETHANE	0.46 U	0.46 U	0.46 U	0.46 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
DIISOPROPYL ETHER	0.44 U	0.44 U	0.44 U	0.44 U
ETHYL TERT-BUTYL ETHER	0.35 U	0.35 U	0.35 U	0.35 U
ETHYLBENZENE	0.26 U	0.29 J	0.26 U	0.26 U
HEXACHLOROBUTADIENE	0.36 U	0.36 U	0.36 U	0.36 U

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 20 of 21

LOCATION	MSA-SW47A	MSA-SW48A	MSA-SW49A	QC
SAMPLE ID	MSA-SW47A-030917	MSA-SW48A-030917	MSA-SW49A-030917	TB-030917
SAMPLE DATE	20170309	20170309	20170309	20170309
ISOPROPYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U
M+P-XYLENES	0.24 U	1.5 J	0.24 U	0.24 U
METHYL TERT-BUTYL ETHER	0.27 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	0.53 U	0.53 U	0.53 U	0.53 U
NAPHTHALENE	0.25 U	0.25 U	0.25 U	0.25 U
N-BUTYLBENZENE	0.21 U	0.21 U	0.21 U	0.21 U
N-PROPYLBENZENE	0.45 U	0.45 U	0.45 U	0.45 U
O-XYLENE	0.28 U	0.35 J	0.28 U	0.28 U
SEC-BUTYLBENZENE	0.27 U	0.27 U	0.27 U	0.27 U
STYRENE	0.23 U	0.23 U	0.23 U	0.23 U
TERT-AMYL METHYL ETHER	0.29 U	0.29 U	0.29 U	0.29 U
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	4.6 U	4.6 U	4.6 U	4.6 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.3 U
TOLUENE	0.23 U	0.23 U	0.23 U	0.23 U
TOTAL XYLENES	0.24 U	1.9 J	0.24 U	0.24 U
TRANS-1,2-DICHLOROETHENE	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.31 U	0.31 U
TRICHLOROETHENE	3.4	9.7	7.9	0.33 U
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U
VINYL ACETATE	0.28 U	0.28 U	0.28 U	0.28 U
VINYL CHLORIDE	6.7	3.8	1.3	0.45 U
Volatile organic compound tentatively identi				
(1S,2R)-(+)-NOREPHEDRINE	NA	NA	NA	1.4 NJ
1-METHYLDODECYLAMINE	NA	NA	NA	NA
2-CHLOROETHANOL	1.1 NJ	NA	NA	NA
2-PENTENEDINITRILE	NA	NA	NA	NA
3,3'-IMINOISOPROPYLAMINE	NA	NA	NA	NA
4-AMINO-1-PENTANOL	NA	NA	NA	NA
4-FLUOROHISTAMINE	NA	NA	NA	NA
6-OXABICYCLO[3.1.0]HEXANE-3-CARBONITRILE	NA	NA	NA	NA
BENZENEMETHANOL, .ALPHA.-(1-AMINOETHYL)-, (R*)	NA	NA	NA	NA
DEXTROAMPHETAMINE	NA	NA	1.2 NJ	NA
ETHANE, 1,2-DICHLORO-1-ETHOXY-	NA	NA	NA	NA
N-HEXYLMETHYLAMINE	NA	NA	NA	NA
PROPANAL, 3-(METHYLTHIO)-	NA	NA	NA	NA
UNKNOWN	NA	NA	NA	NA

Table C-1
Chemical Results for Surface Water Samples-March 2017
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 21 of 21

LOCATION	MSA-SW47A	MSA-SW48A	MSA-SW49A	QC
SAMPLE ID	MSA-SW47A-030917	MSA-SW48A-030917	MSA-SW49A-030917	TB-030917
SAMPLE DATE	20170309	20170309	20170309	20170309
Dissolved metals (µg/L)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
TUNGSTEN	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
Miscellaneous parameters (µg/L)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
Miscellaneous parameters (mg/L)				
CALCIUM HARDNESS AS CaCO ₃	NA	NA	NA	NA
HARDNESS AS CaCO ₃	NA	NA	NA	NA
MAGNESIUM HARDNESS AS CaCO ₃	NA	NA	NA	NA

CaCO₃ - calcium carbonate
EL - Edwards Lane
µg/L - micrograms per liter
mg/L - milligrams per liter
MSA - Martin State Airport
SW - surface water

J - estimated concentration
NA - not analyzed
NJ - tentatively identified compound
U - not detected at the concentration left of the letter
UJ - not detected. Result is estimated.
UR - not detected. Result not reliable.